



2172
#07
4-29-03
JMA

PATENT APPLICATION
Attorney Docket No. D/A1055
Application No.: 09/683,237

CERTIFICATE OF MAILING

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Commissioner for Patents
Washington, D.C. 20231

On: 4/11/03

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Lisa Andreasen

Signature: Lisa Andreasen

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Laurence Hubert et al.)	Art Unit: 2172
Appl. No.: 09/683,237)	Examiner: Isaac M. Woo
Filed: December 5, 2001)	

Title: SYSTEM WITH USER DIRECTED ENRICHMENT AND IMPORT/EXPORT
CONTROL

Commissioner for Patents
Washington, D.C. 20231

LETTER TO CHIEF DRAFTSPERSON

Sir:

Enclosed are sixty-nine (69) sheets of formal drawings depicting Figures 1-68.
Please substitute these drawings for those currently on file in the subject application.

Respectfully submitted,

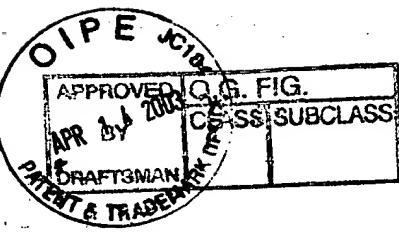
Thomas Zell
Thomas Zell
Attorney for Applicant(s)
Registration No. 37,481
Telephone: 650-812-4282

Xerox Corporation
Grenoble, France
Date: 04/04/03

Technology Center 2100

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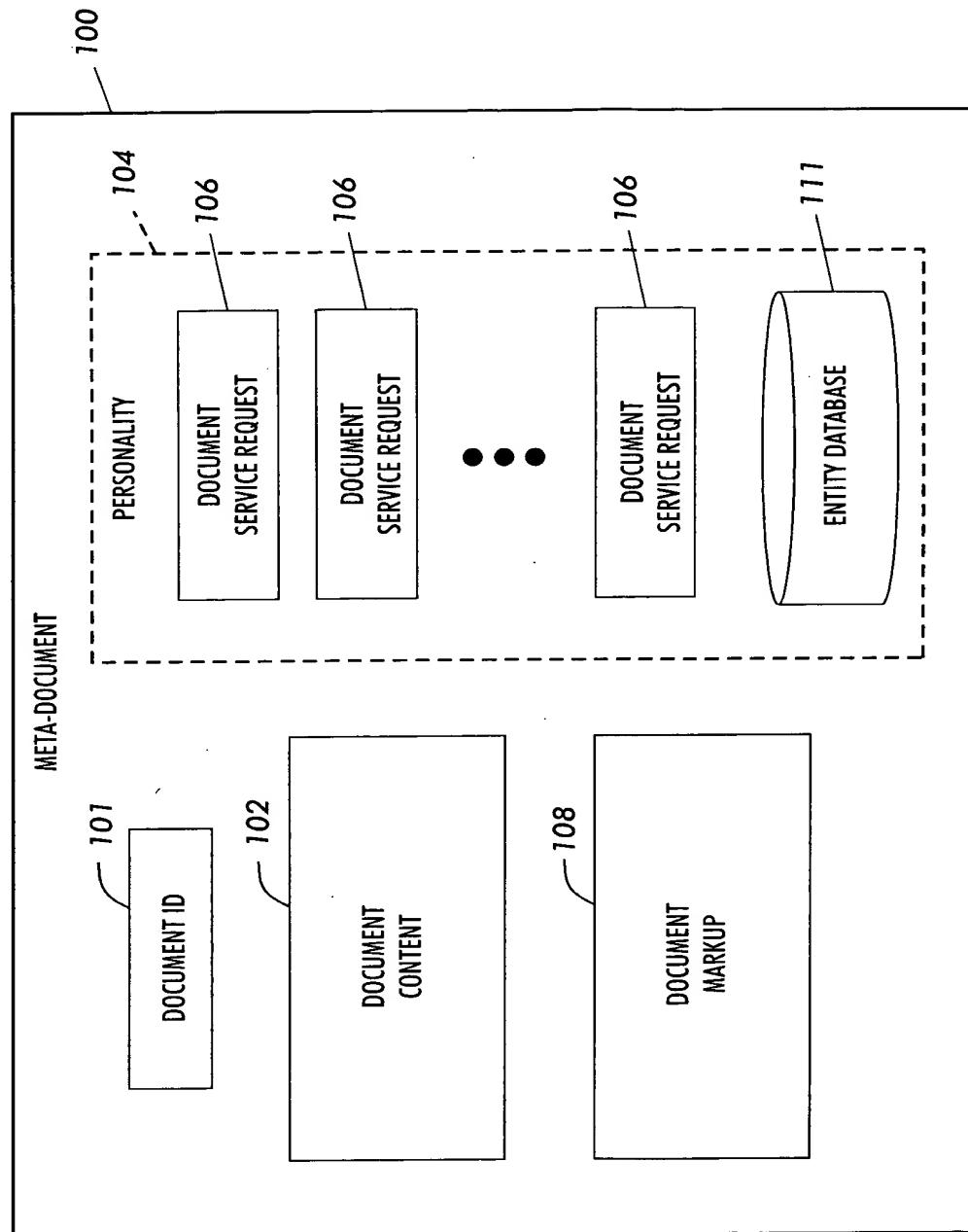


FIG. 1

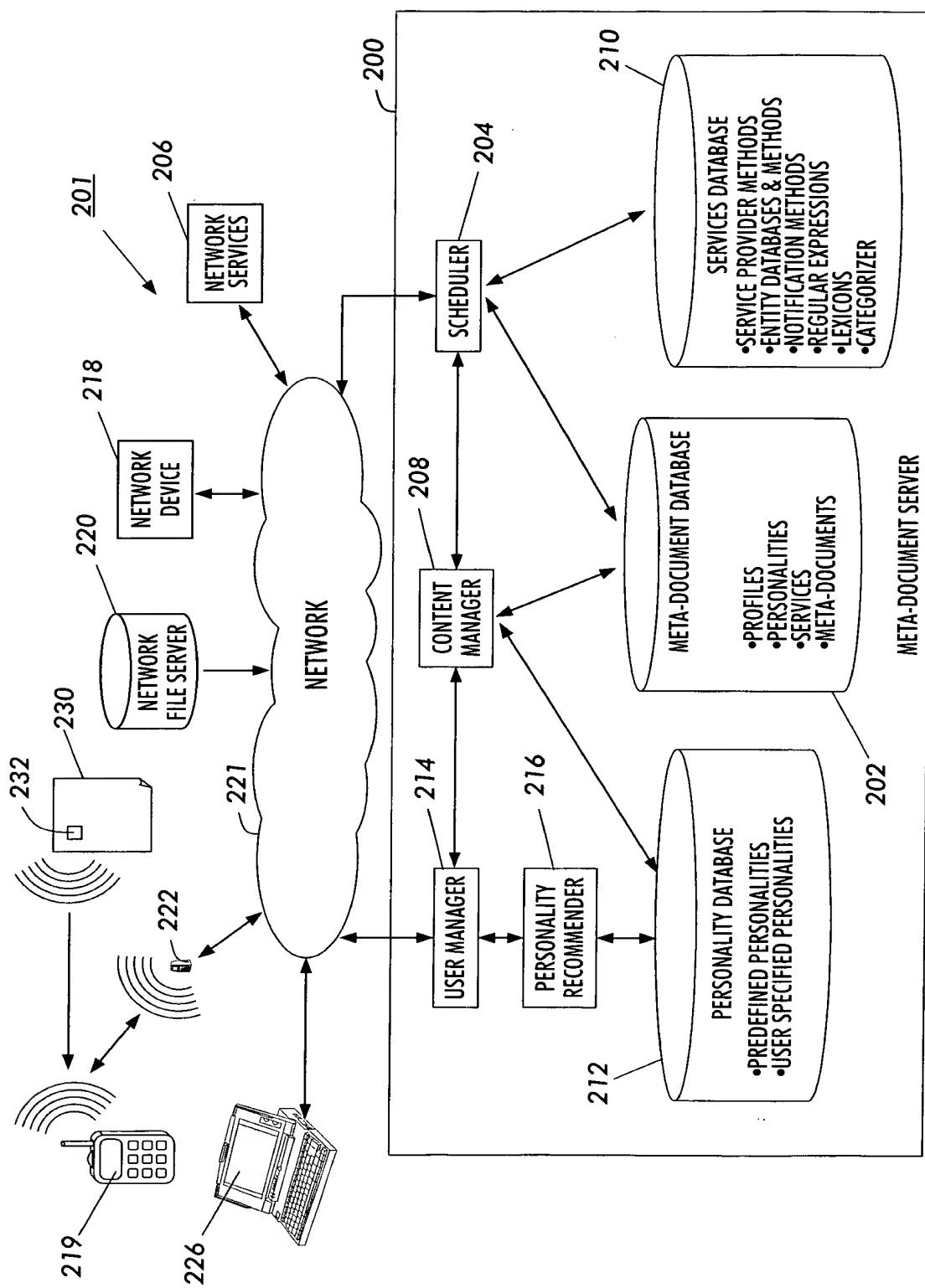


FIG. 2

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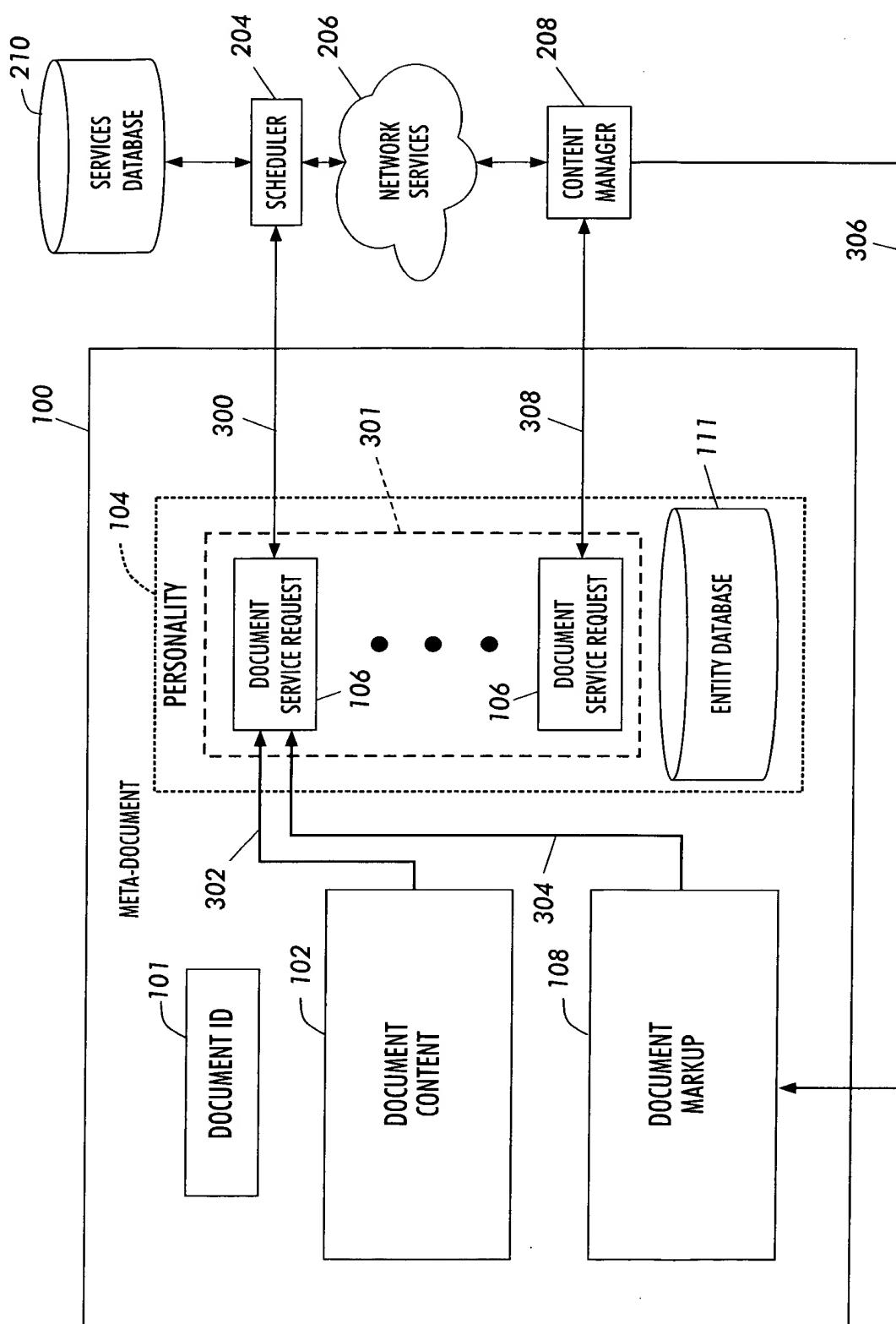


FIG. 3

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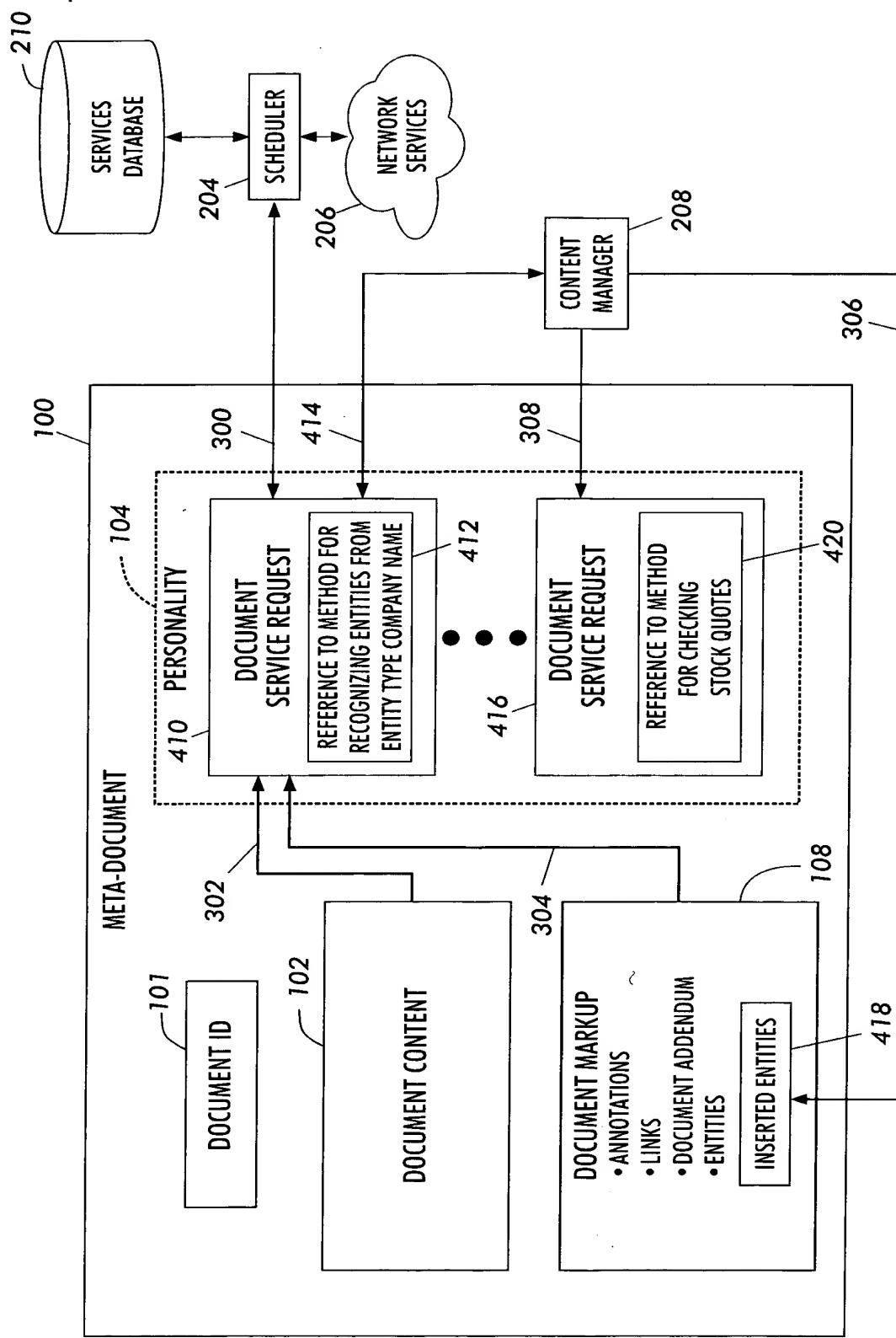


FIG. 4

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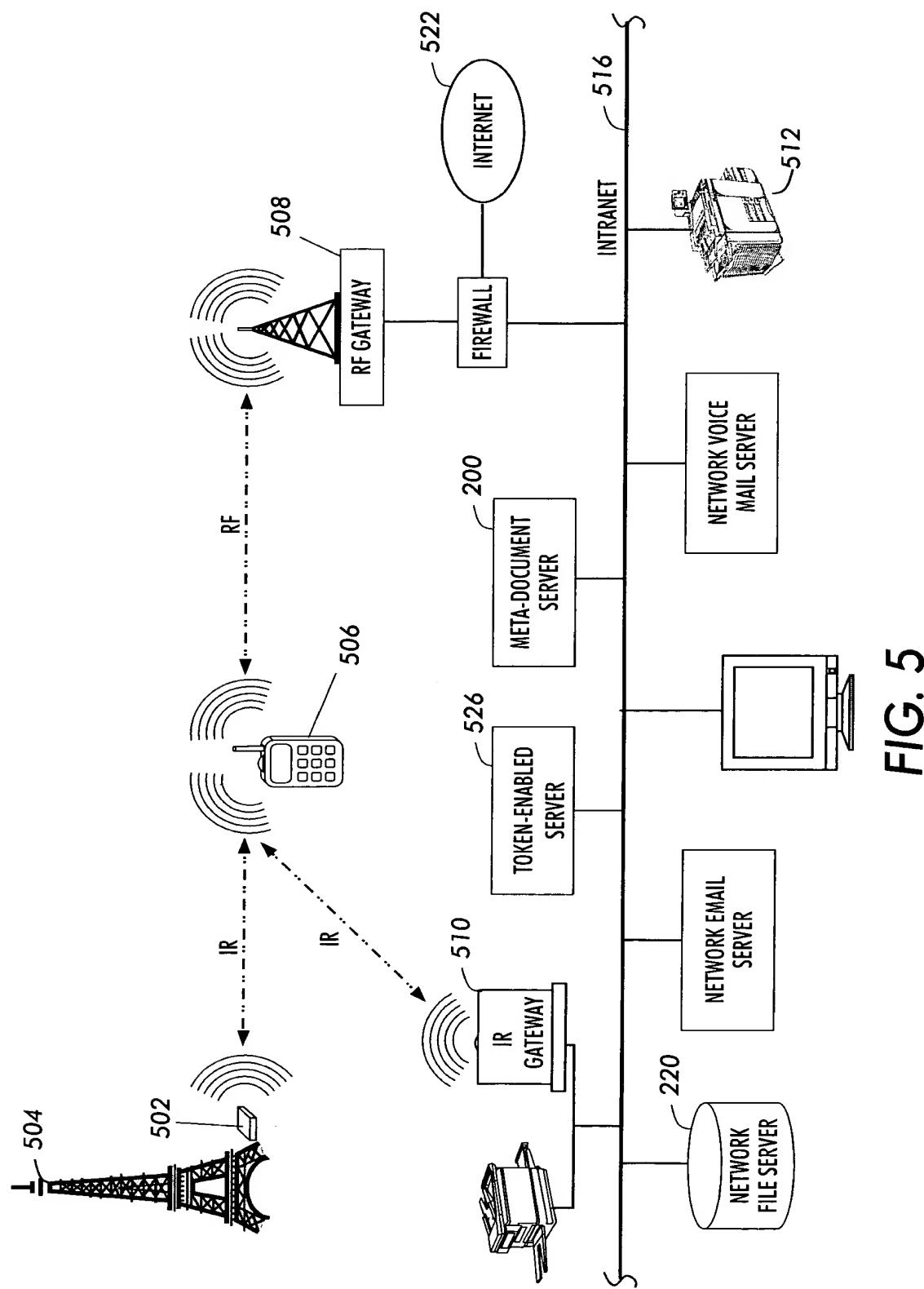


FIG. 5

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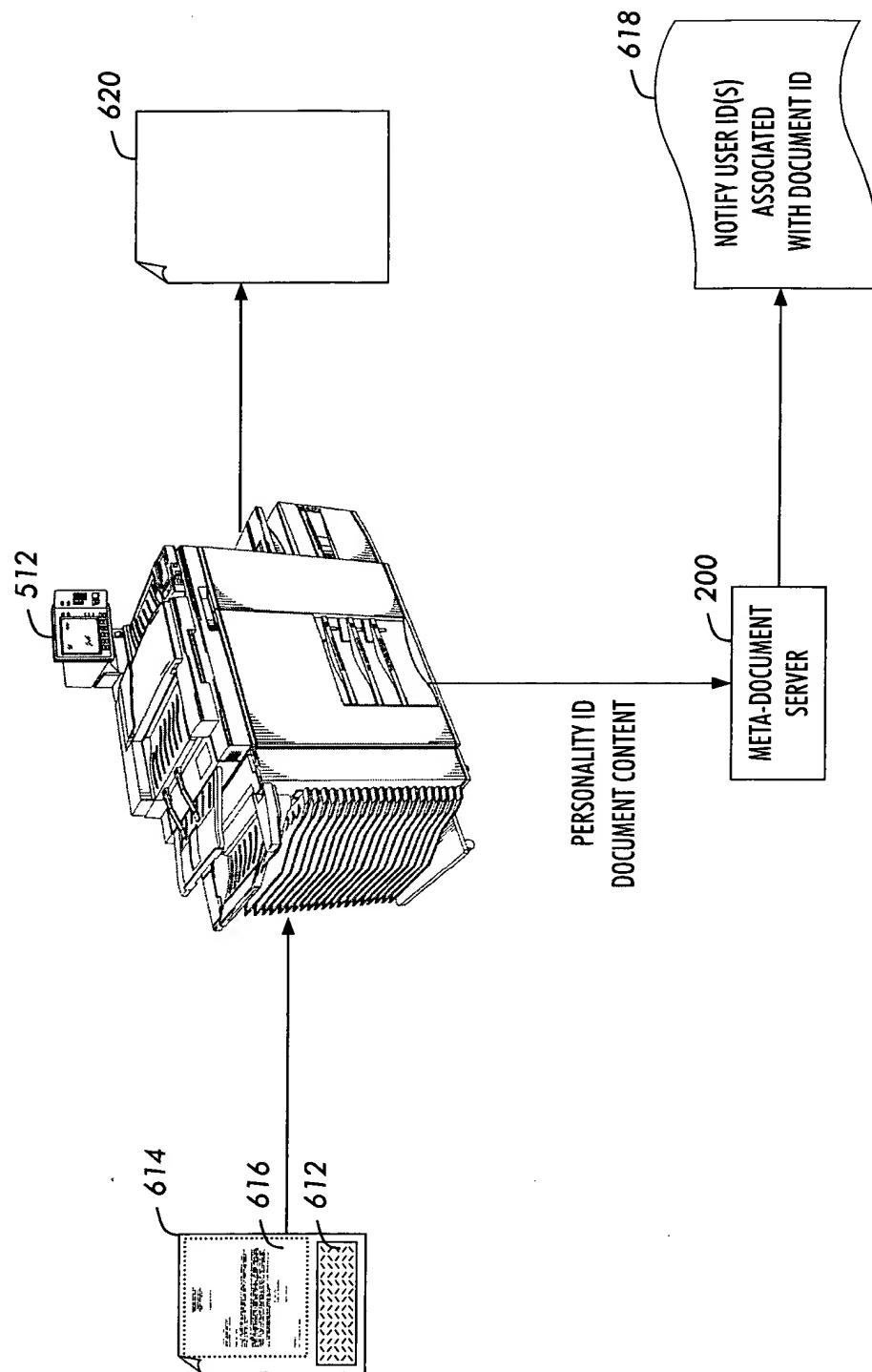


FIG. 6

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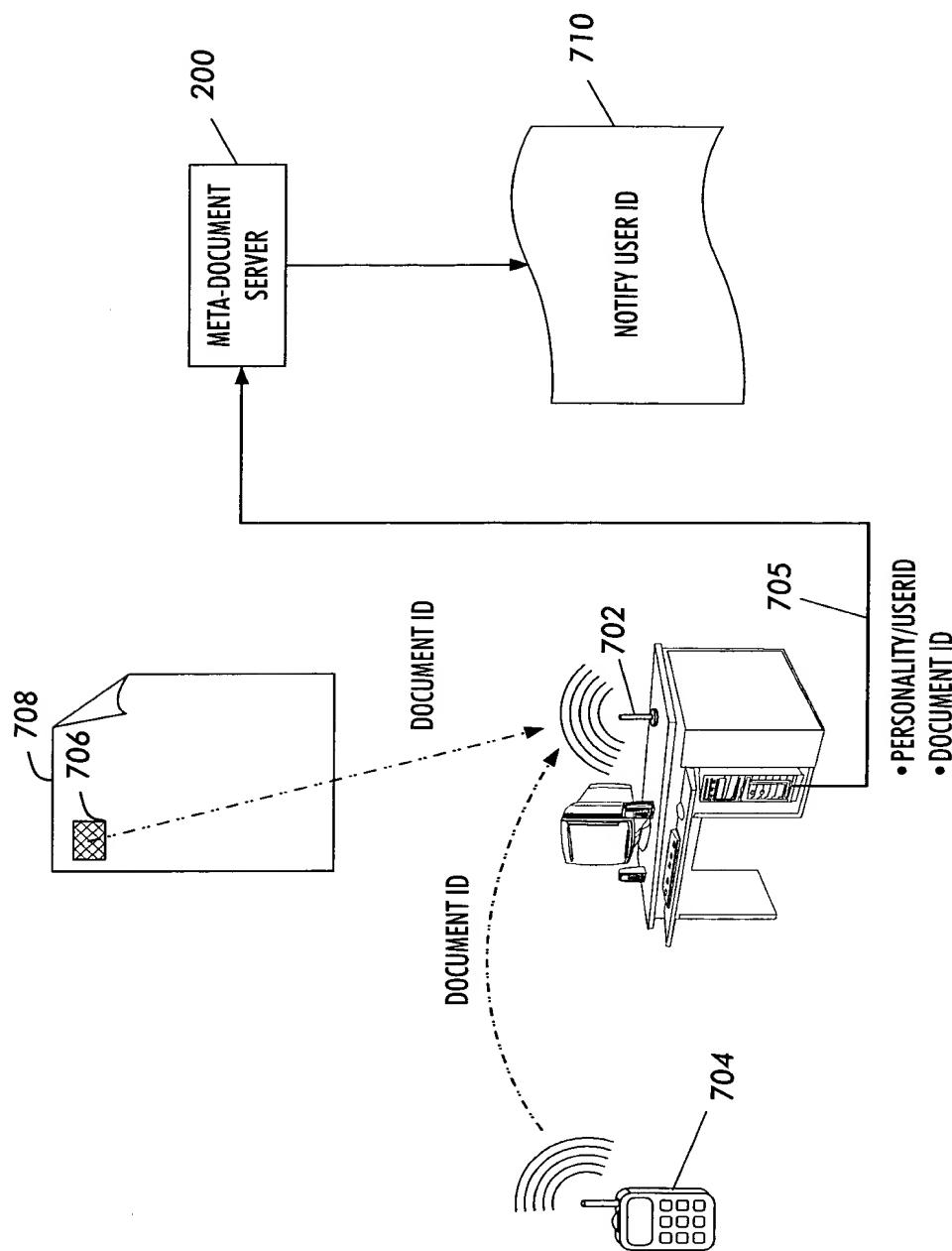


FIG. 7



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PRINT

PRINTER

NAME: PROPERTIES
STATUS: IDLE 814
TYPE: XEROX 4517 POSTSCRIPT LEVEL 2
WHERE: TIMES.GRENOBLE.XRCE.XEROX.COM:PASSTHRU PRINT TO FILE
COMMENT: XEROX N2125 B&W DUPLEX - LE CHATEAU - 2ND FLOOR

PAGE RANGE
 ALL
 CURRENT PAGE
 PAGES:
ENTER PAGE NUMBERS AND/OR PAGE RANGES
SEPERATED BY COMMAS. FOR EXAMPLE 1,3,5-12

COPIES
NUMBER OF COPIES:

 COLLATE 806

ENRICHMENT
 PERSONALITY: SELECT A PERSONALITY FOR ME

APPLY ENRICHMENT TO:
 ALL 808
 CURRENT PAGE
 PAGES:
INSERT ENRICHMENT AS:
 LINKS
 CONTENT

ZOOM 802 810
PRINT WHAT: PAGES PER SHEET:
PRINT: SCALE TO PAPER SIZE:

800

FIG. 8

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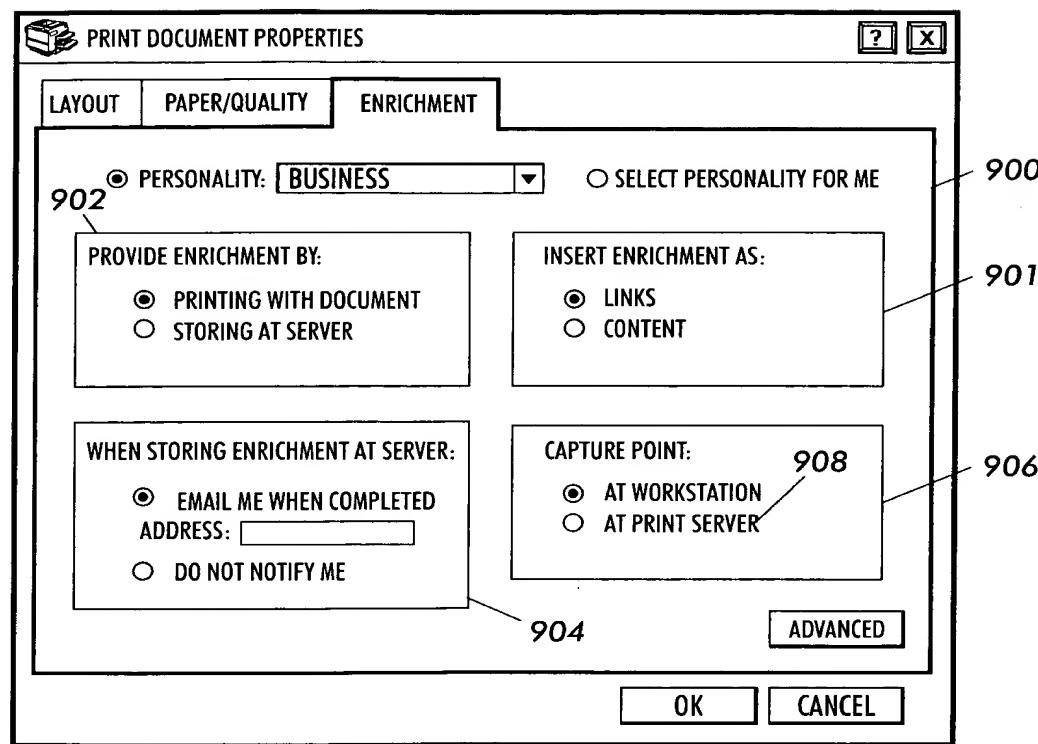
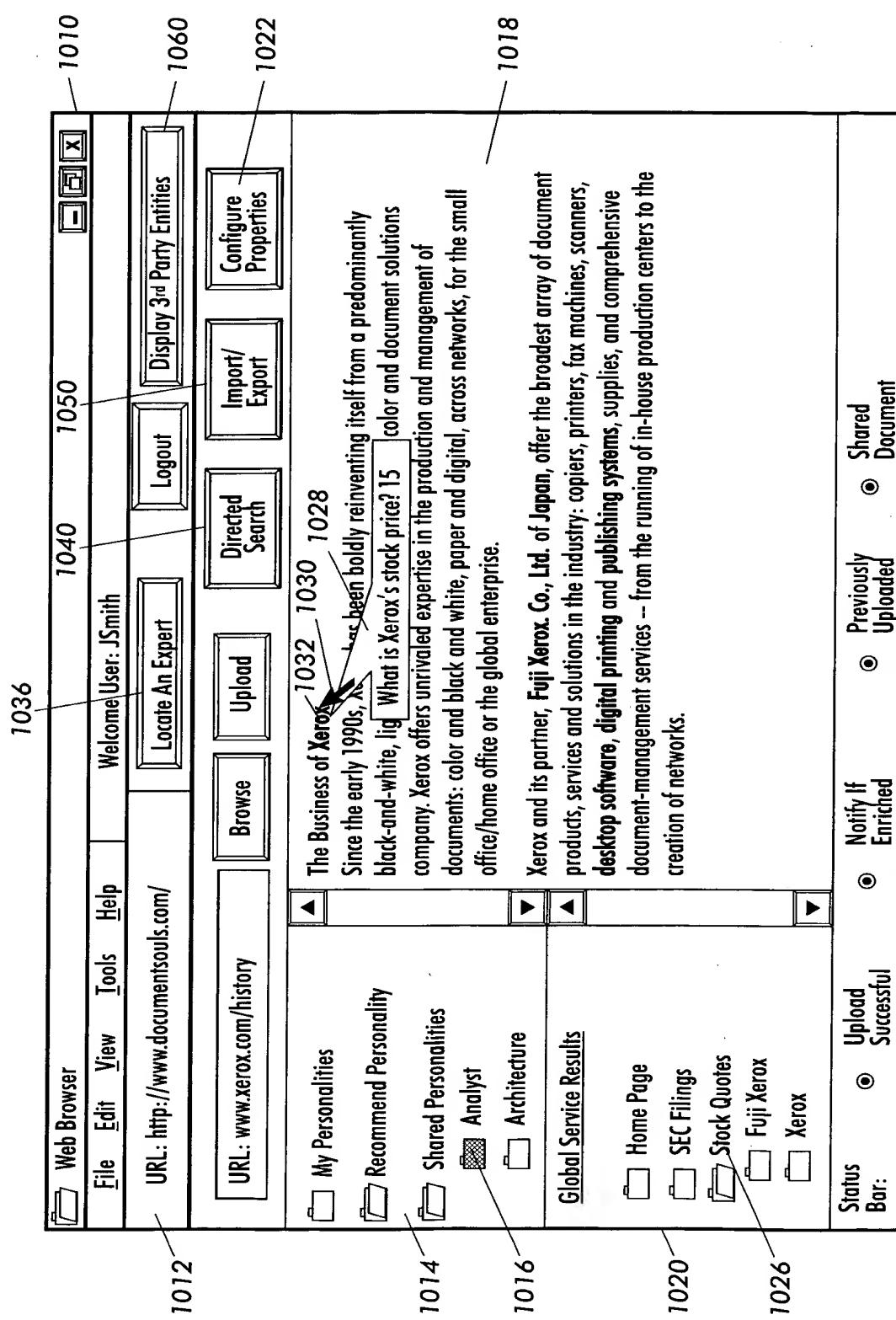


FIG. 9



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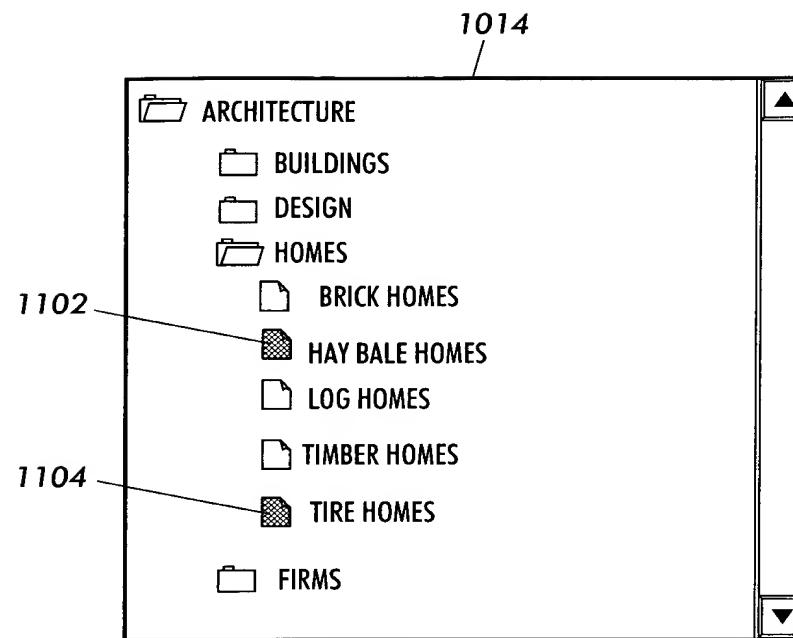


FIG. 11

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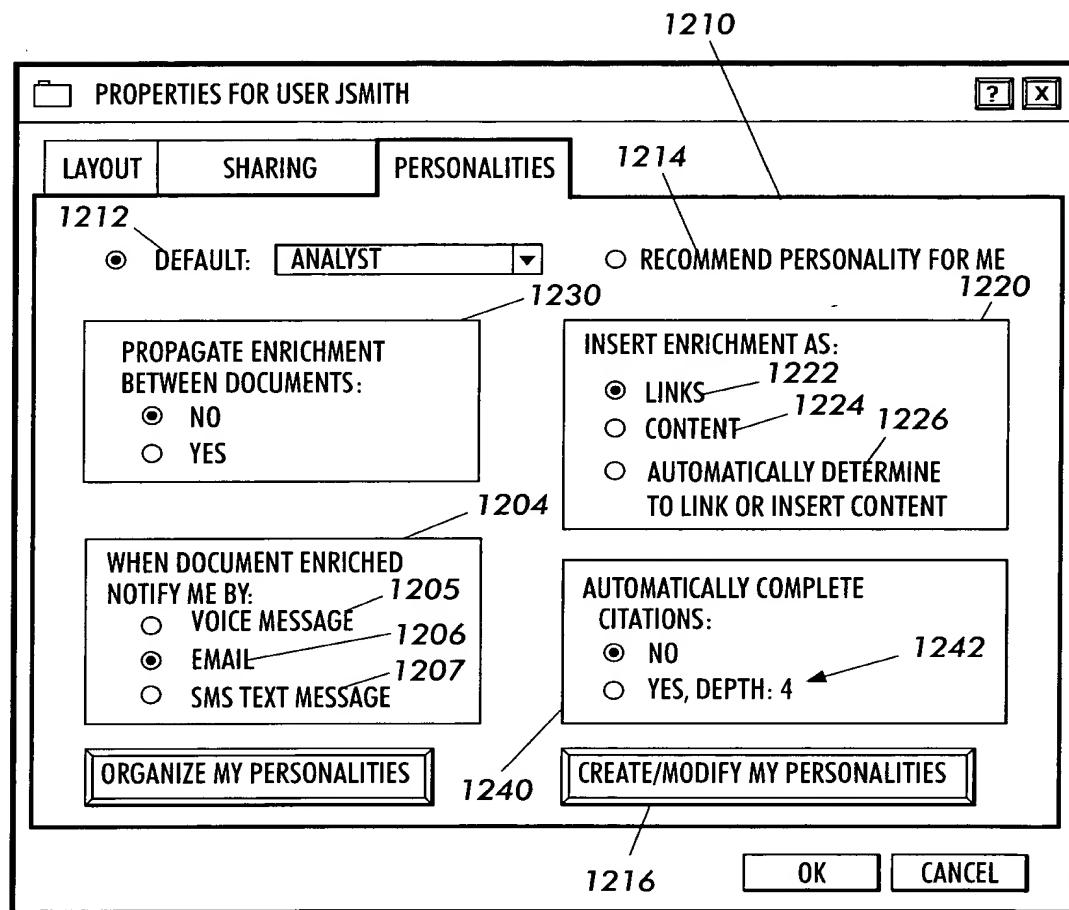


FIG. 12



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1310

CREATE/MODIFY A GROUP OF EXISTING PERSONALITIES

LIST OF AVAILABLE PERSONALITIES

1316

Name	Creation Date
Technology Watch in Computer Sciences	2001-03-16 14:08:06
Watch Business	2001-03-16 14:08:08
Watch Legal	2001-03-16 14:08:10
Watch Intellectual Property	2001-03-16 14:08:10
Scientific Watch in Medicine	2001-03-16 14:08:10

1312

LIST OF ALL WATCH BUSINESS SERVICES

those Services are classified by Service Categories, a ticked checkbox meaning that the according service is attached to the selected personality.

1318

Click on this icon to view all available service categories

Search Engine

- luckygoogle People Google Lucky Result

Stock Quotes

- bloomberg Stock Quotes

1314

OK CANCEL

FIG. 13

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SEL	NAME	ENTITY TYPE	ANNOTATE	DEPTH	PROVIDER	COST	QUERY	REFRESH
<input checked="" type="checkbox"/>	COMPUTING	COMPUTING	ALWAYS	0	YAHOO	FREE	LINK	DAILY
<input type="checkbox"/>	BIOLOGY	BIOLOGY	ALWAYS	0	GOOGLELUCKY	NULL	LINK	NEVER
<input type="checkbox"/>	MEDICINE	MEDICINE	ALWAYS	0	ALTAVISTA	FREE	LINK	AUTO
<input type="checkbox"/>	APPLY PAIRS OF ENTITIES AND IDENTIFY 3RD PARTY ENTITIES	COMPANIES	EXPERT	0	GOOGLELUCKY	NULL	CONTENT	NULL
<input type="checkbox"/>	APPLY PAIRS OF ENTITIES USING GOOGLELUCKY	PRODUCTS	ALWAYS	2	NORTHERNLIGHTS	NULL	LINK	WEEKLY
<input type="checkbox"/>	COUNTRIES	COUNTRIES	NOTICE	0	GOOGLELUCKY	FREE	CONTENT	UNTIL 2003
<input type="checkbox"/>	ASTRONOMY	ASTRONOMY	ALWAYS	1	GOOGLE	NULL	LINK	MONTHLY
<input checked="" type="checkbox"/>	PEOPLE	PEOPLE	ALWAYS	3	GOOGLE,PEOPLE	NULL	LINK	NULL

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▲ ▼

1424

1432

1408

1420

1422

1404

1318

SEARCH ENGINE □ ▶

FIG. 14

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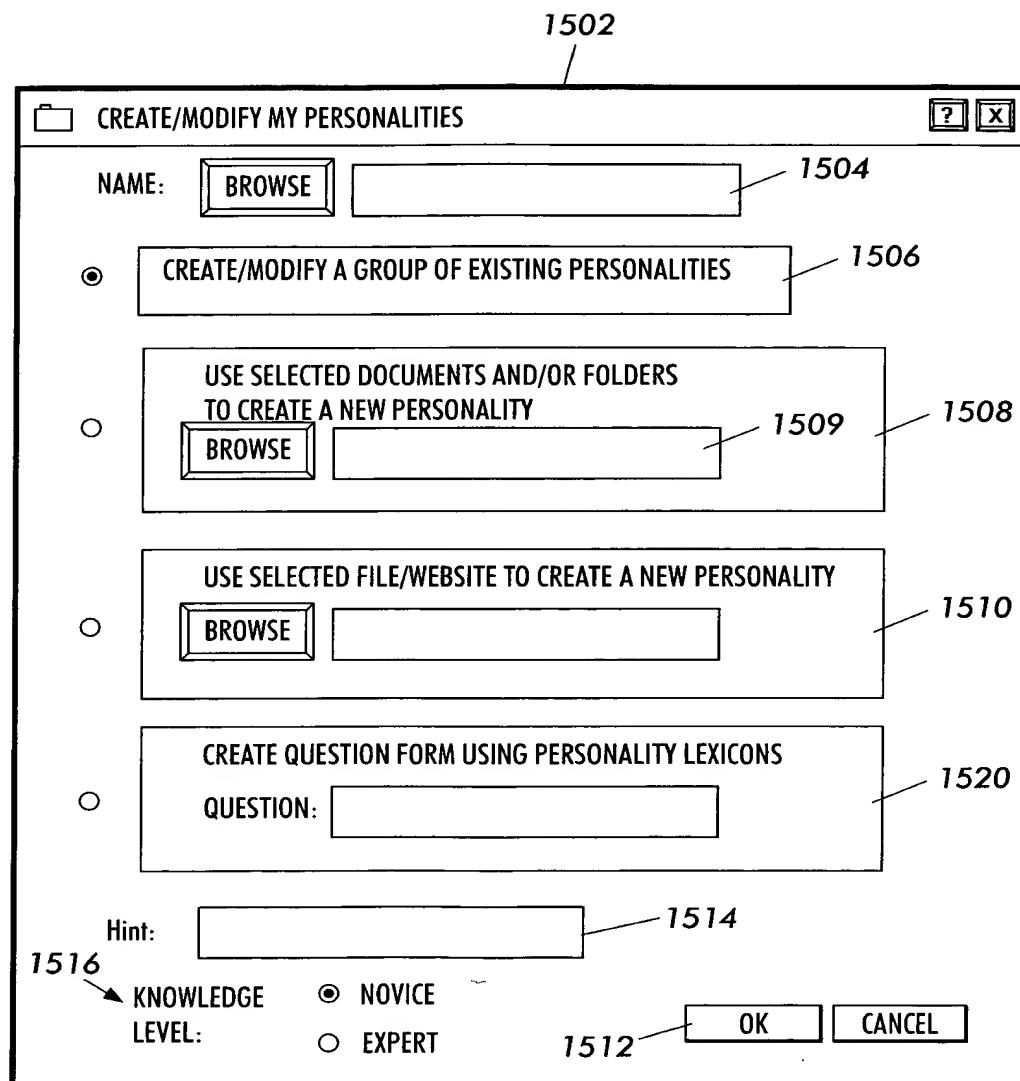


FIG. 15

OIE
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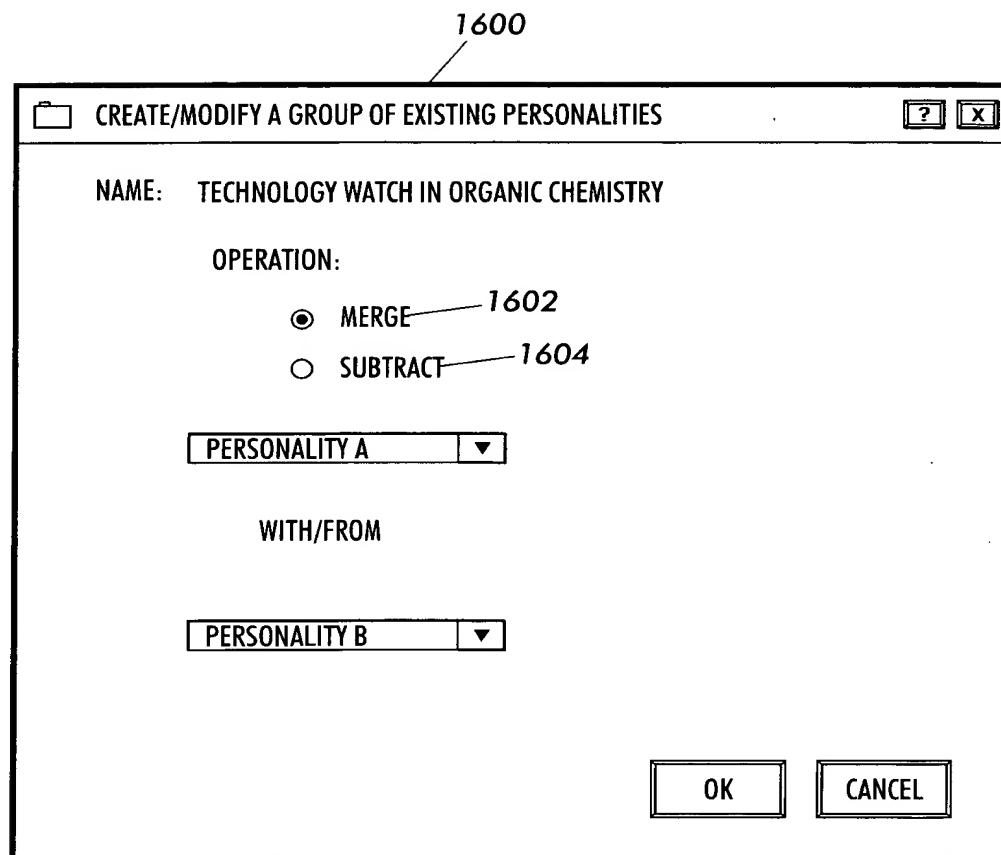


FIG. 16

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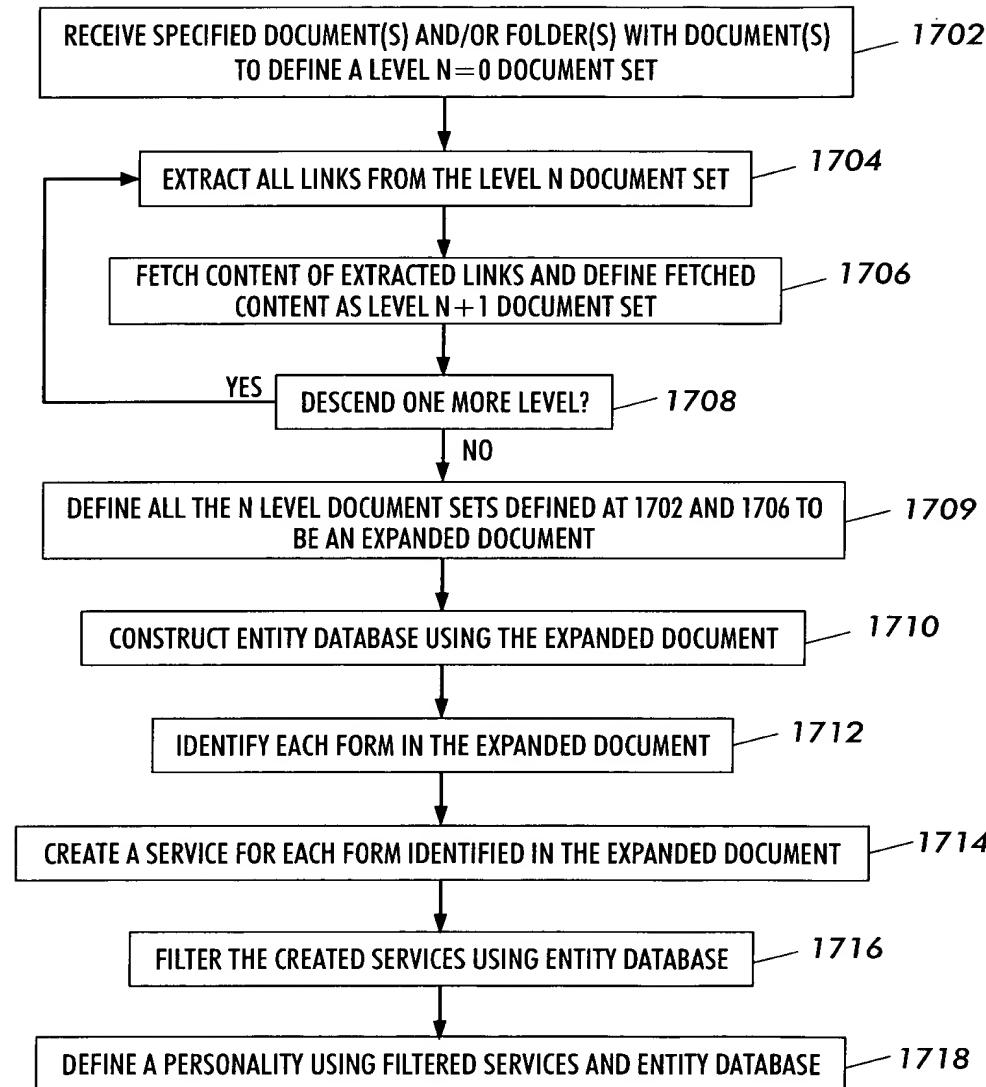


FIG. 17

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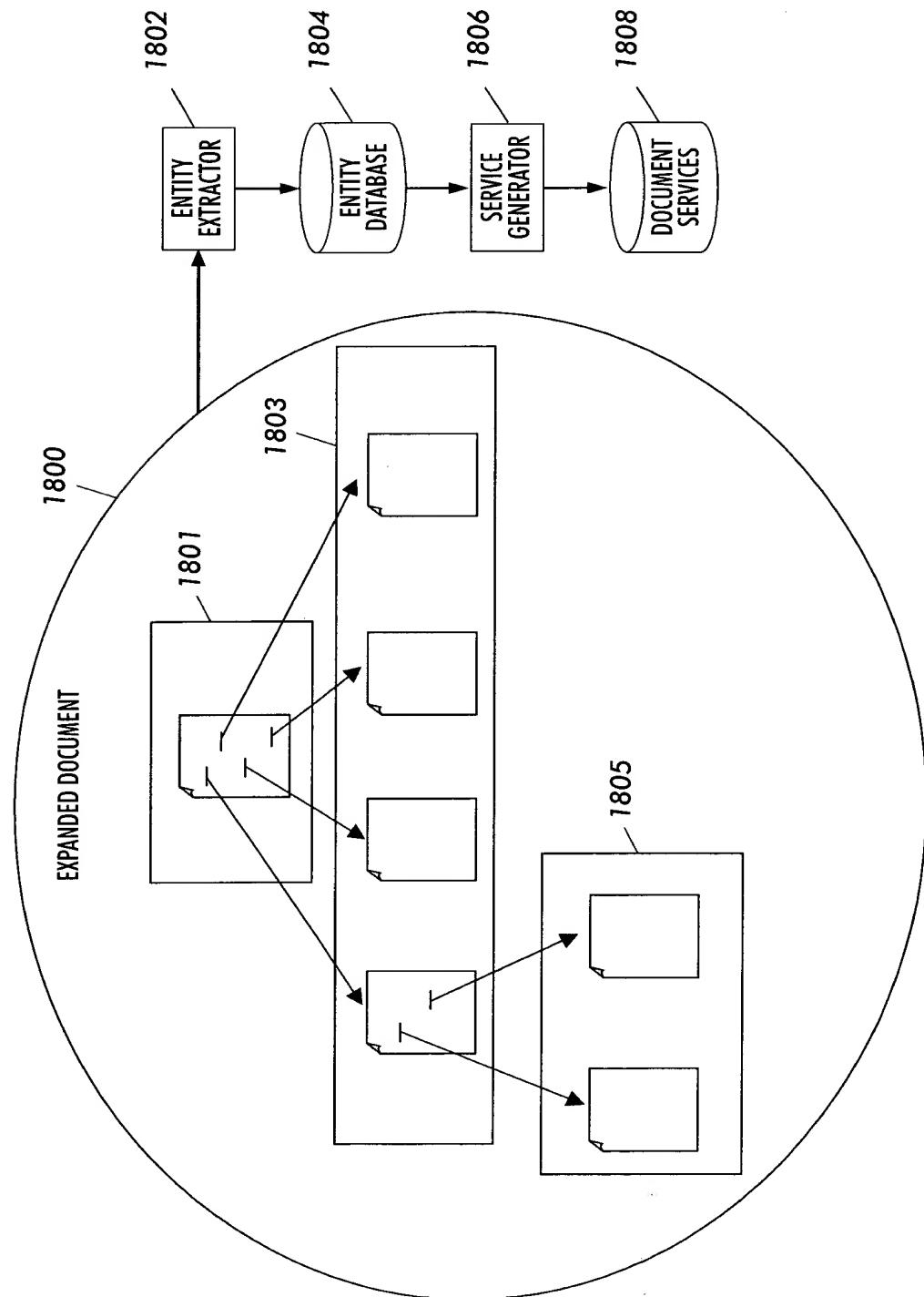


FIG. 18



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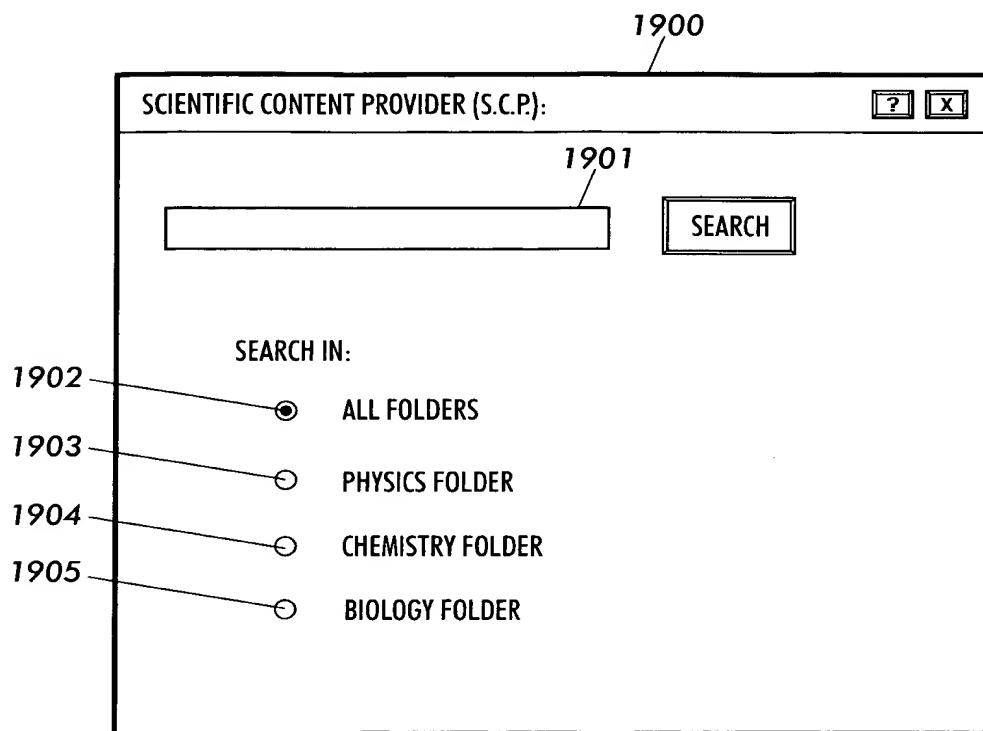


FIG. 19

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SEL	NAME	ENTITY TYPE	ANNOTATE	DEPTH	PROVIDER	COST	QUERY	REFRESH
<input checked="" type="checkbox"/>	ALL FOLDERS RESULT OF SCIENTIFIC CONTENT PROVIDER	STANDARD	ALWAYS	0	S. C.P.	FREE	CONTENT	NULL
<input type="checkbox"/>	PHYSICS RESULT OF SCIENTIFIC CONTENT PROVIDER	PHYSICS	ALWAYS	0	S. C.P.	FREE	CONTENT	NULL
<input type="checkbox"/>	CHEMISTRY RESULT OF SCIENTIFIC CONTENT PROVIDER	CHEMISTRY	ALWAYS	0	S. C.P.	FREE	CONTENT	NULL
<input type="checkbox"/>	BIOLOGY RESULT OF SCIENTIFIC CONTENT PROVIDER	BIOLOGY	ALWAYS	0	S. C.P.	FREE	CONTENT	NULL

2002 2004

FIG. 20

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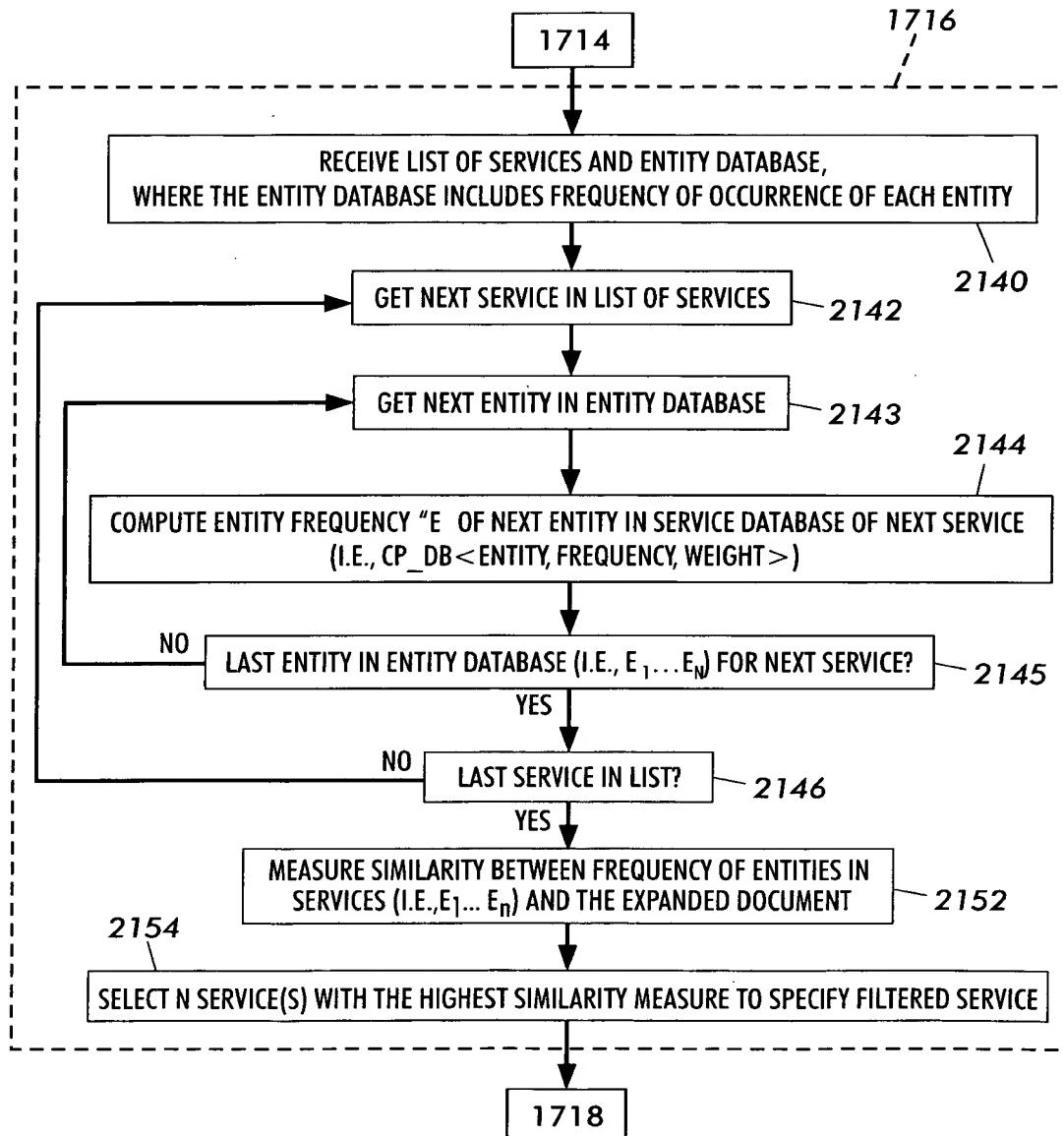


FIG. 21

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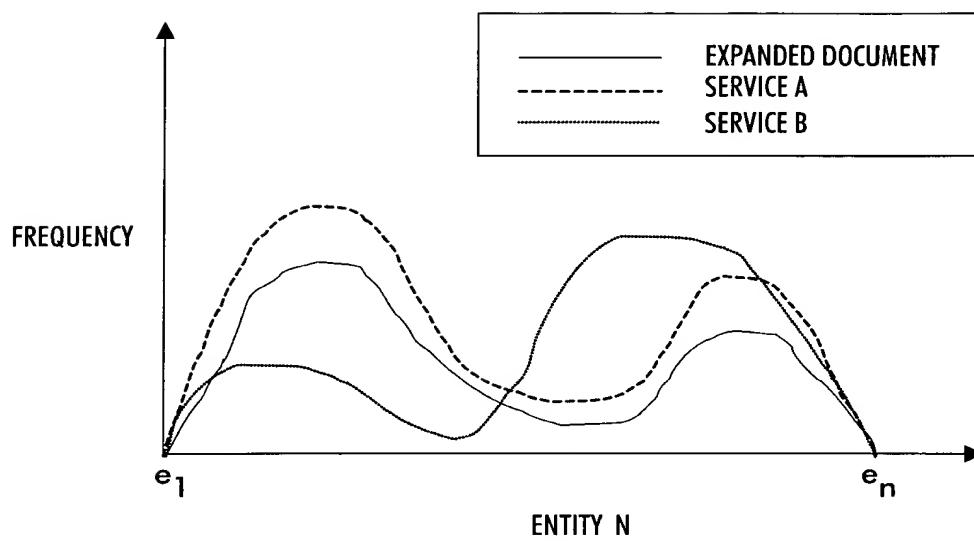


FIG. 22

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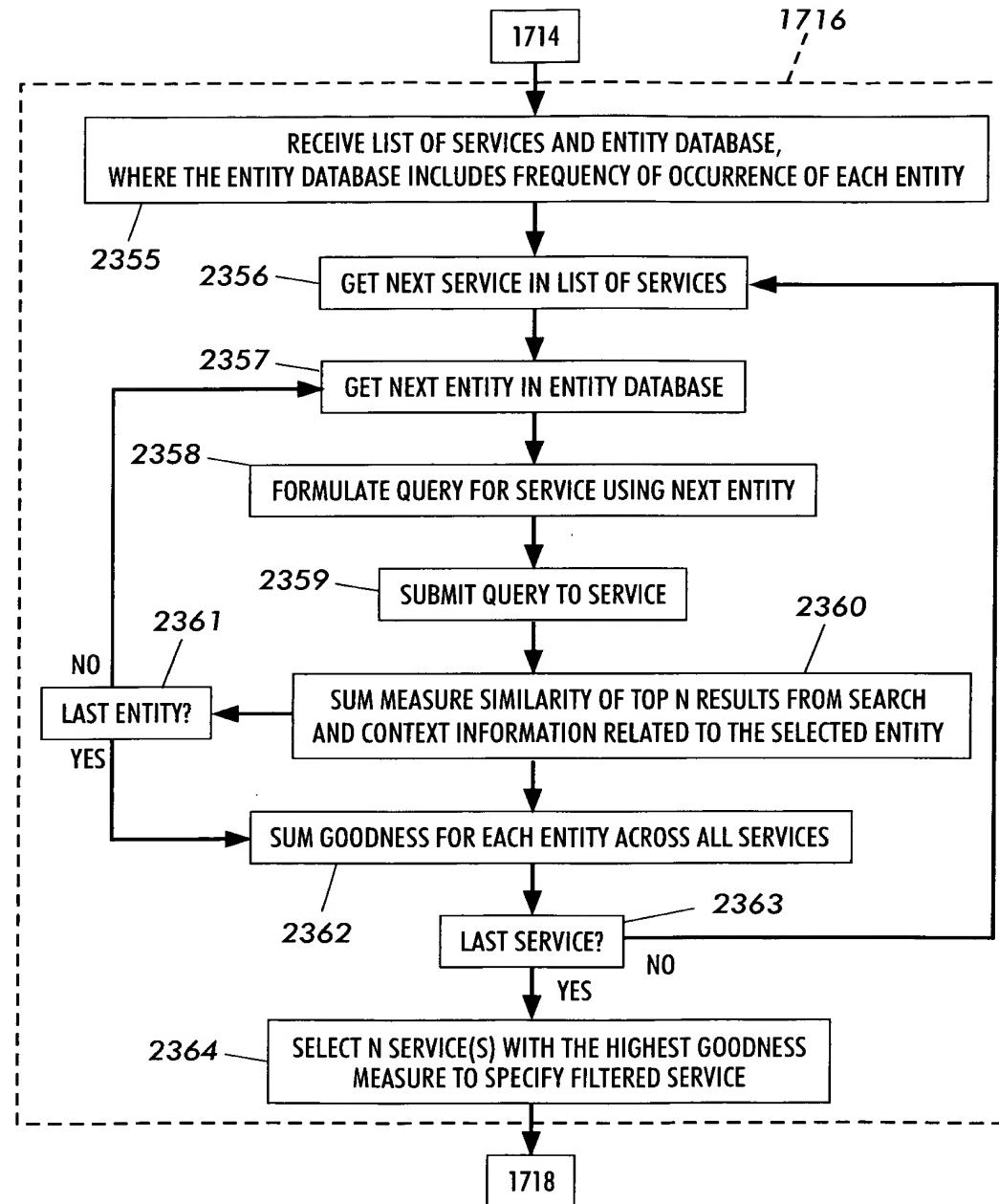


FIG. 23

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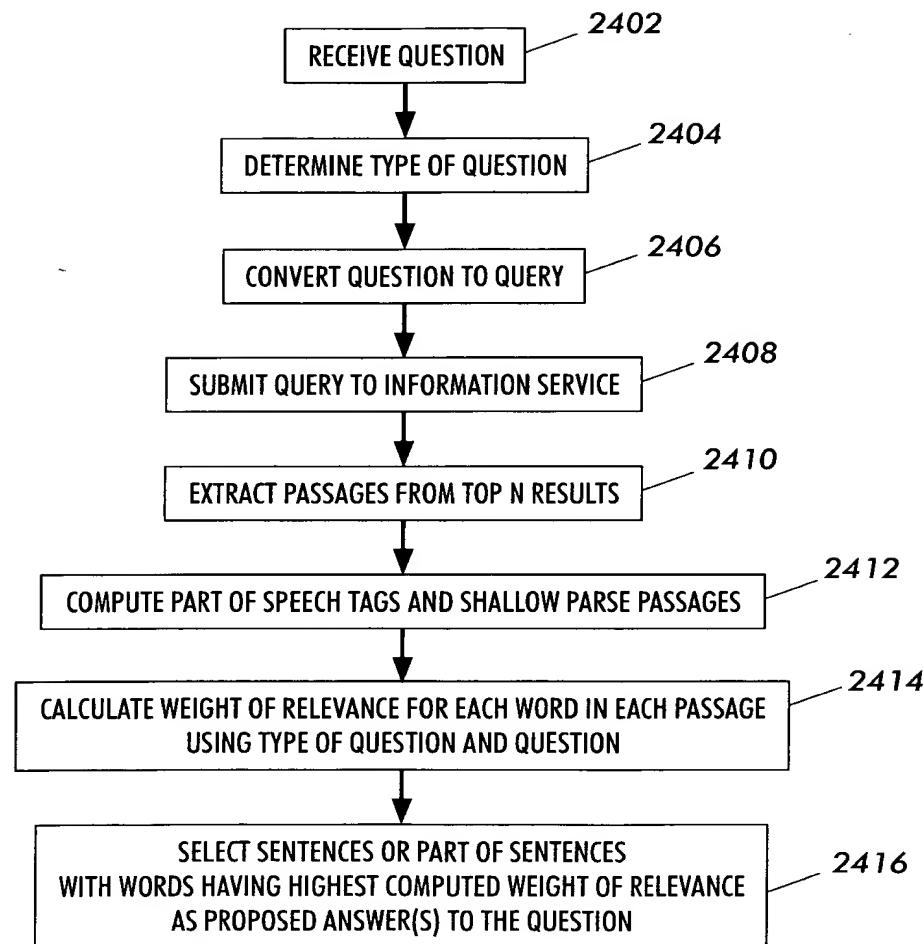


FIG. 24



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2502

E-LEARNING SERVICES ASSOCIATED WITH E-LEARNING PERSONALITY	
2504	<input checked="" type="checkbox"/> SEL
2506	<input checked="" type="checkbox"/> LINK WORDS OR MULTWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR DEFINITIONS
2508	<input type="checkbox"/> LINK WORDS OR MULTWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR TRANSLATIONS
2510	<input type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A TUTORIAL CONCERNING EACH TEXT UNIT
2512	<input type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO AN EXPERT CONCERNING IDENTIFIED SUBJECTS
2514	<input type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO AN INTERACTIVE COURSE ABOUT IDENTIFIED SUBJECTS
2516	<input checked="" type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A LIST OF REAL WORLD CLASSES ABOUT IDENTIFIED SUBJECTS
	<input checked="" type="checkbox"/> LINK TEXT UNITS TO (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) LEARNING RESOURCES CONCERNING EACH TEXT UNITS

FIG. 25

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LANGUAGE LEARNING SERVICES ASSOCIATED WITH LANGUAGE LEARNING PERSONALITY	
SEL	
2604	<input checked="" type="checkbox"/> LINK WORDS OR MULTWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR DEFINITIONS
2606	<input type="checkbox"/> LINK WORDS OR MULTWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR TRANSLATIONS
2608	<input type="checkbox"/> LINK EACH SENTENCE, OR PHRASE, TO A GRAMMATICAL DESCRIPTION OF THE STRUCTURE OF THE SENTENCE OR PHRASE
2610	<input type="checkbox"/> LINK EACH WORD, MULTWORD EXPRESSION, PHRASE OR SENTENCE TO OTHER INSTANCES OF THE SAME IN DIFFERENT CONTEXTS FROM THE PRESENT
2612	<input type="checkbox"/> LINK EACH WORD, MULTWORD EXPRESSION, PHRASE OR SENTENCE TO ONE OR MORE INTERACTIVE GRAMMAR EXERCISES CONCERNING THAT ELEMENT
2614	<input checked="" type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A LIST OF REAL WORLD CLASSES ABOUT IDENTIFIED LANGUAGE
2616	<input checked="" type="checkbox"/> LINK TEXT UNITS TO (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) LANGUAGE LEARNING RESOURCES CONCERNING EACH TEXT UNITS

2602

FIG. 26

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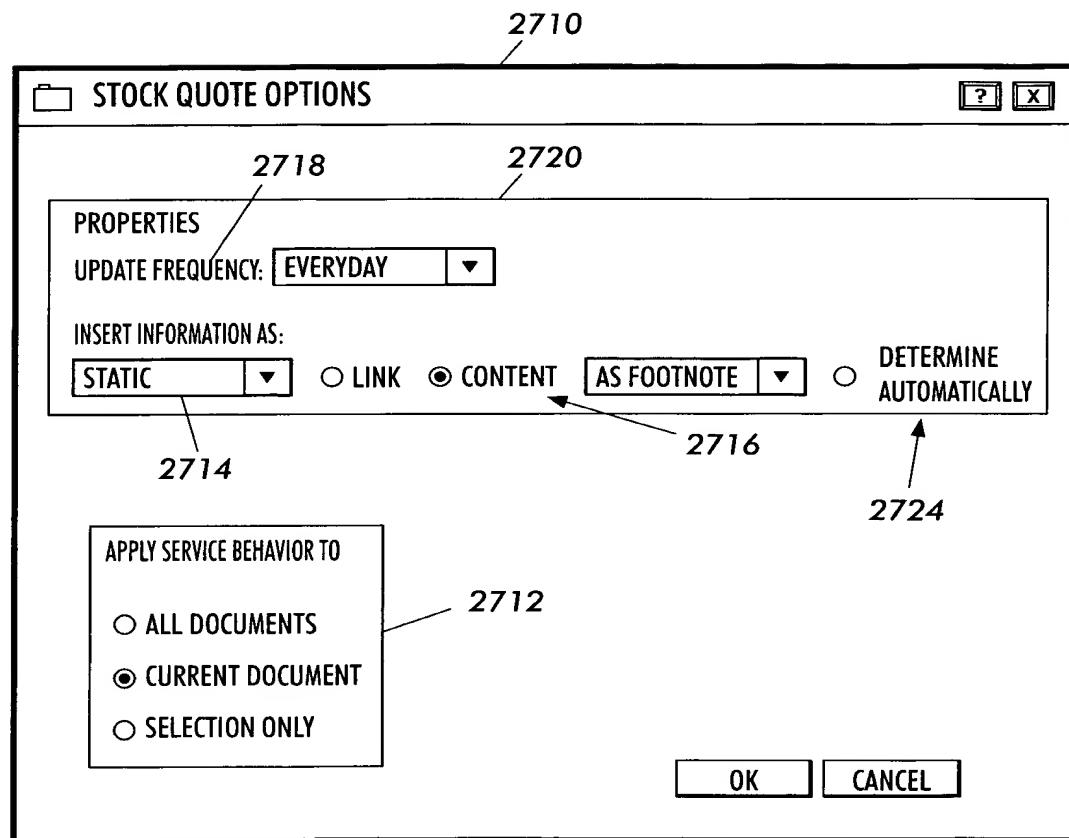


FIG. 27

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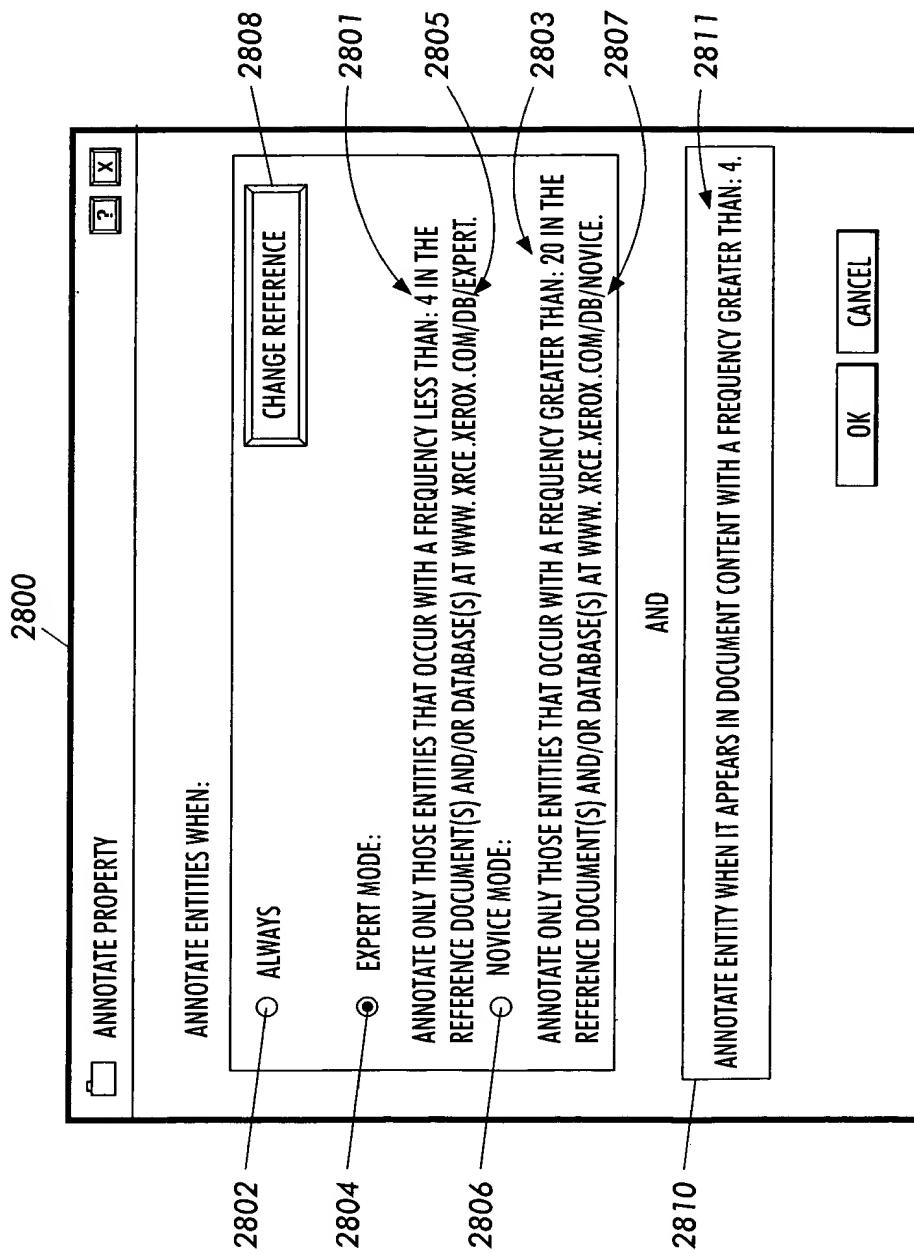


FIG. 28

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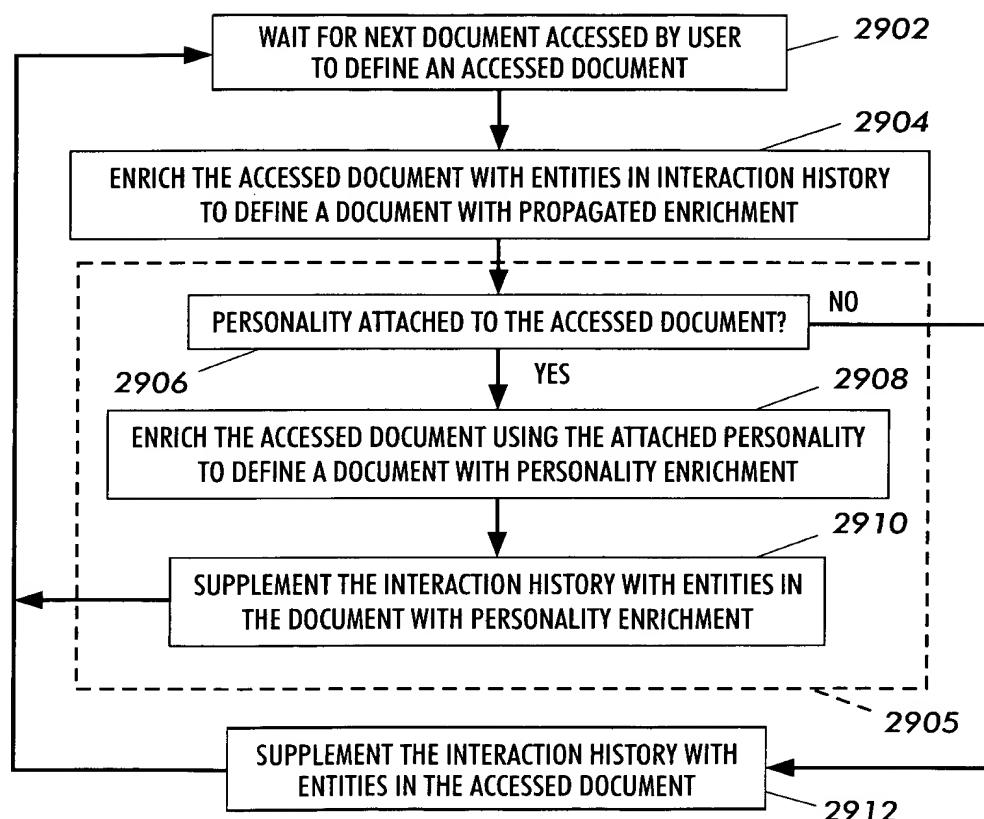


FIG. 29

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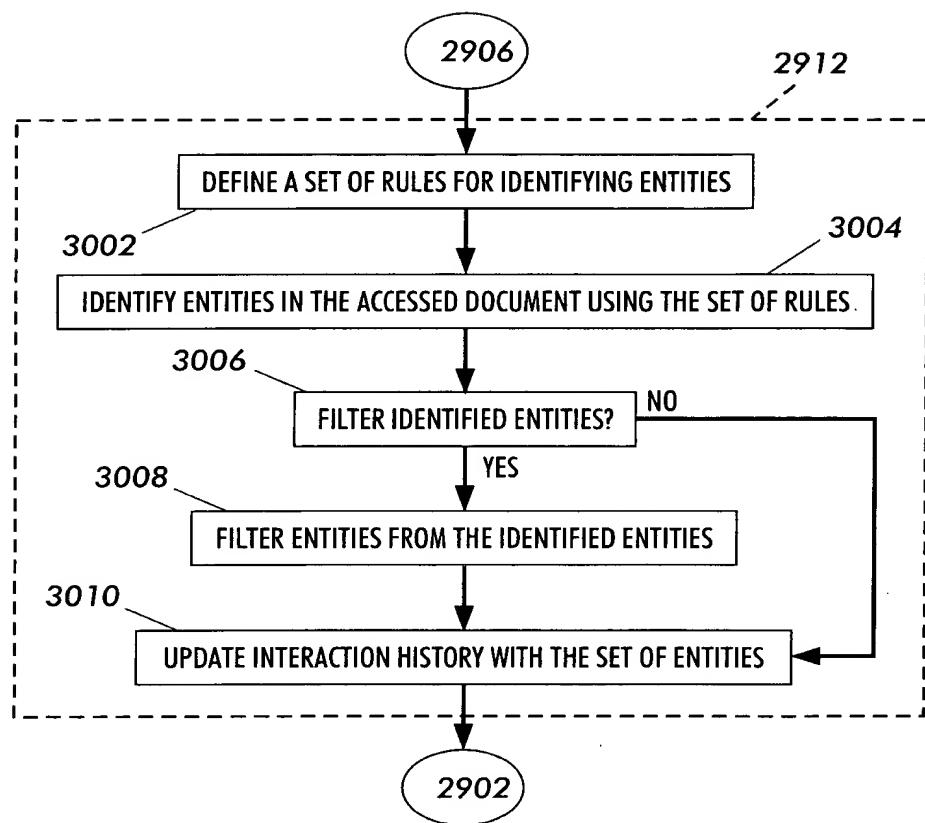


FIG. 30

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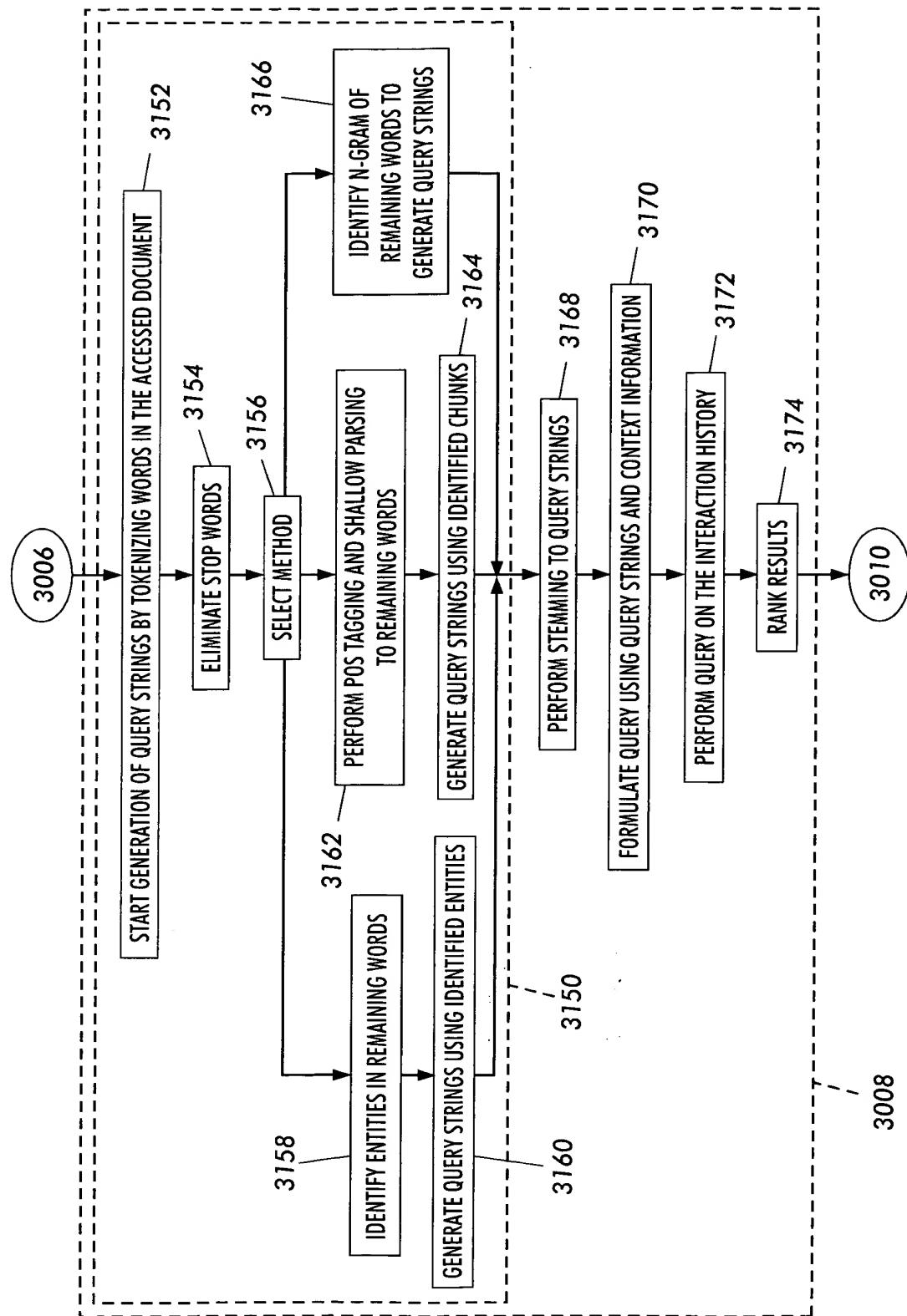


FIG. 31

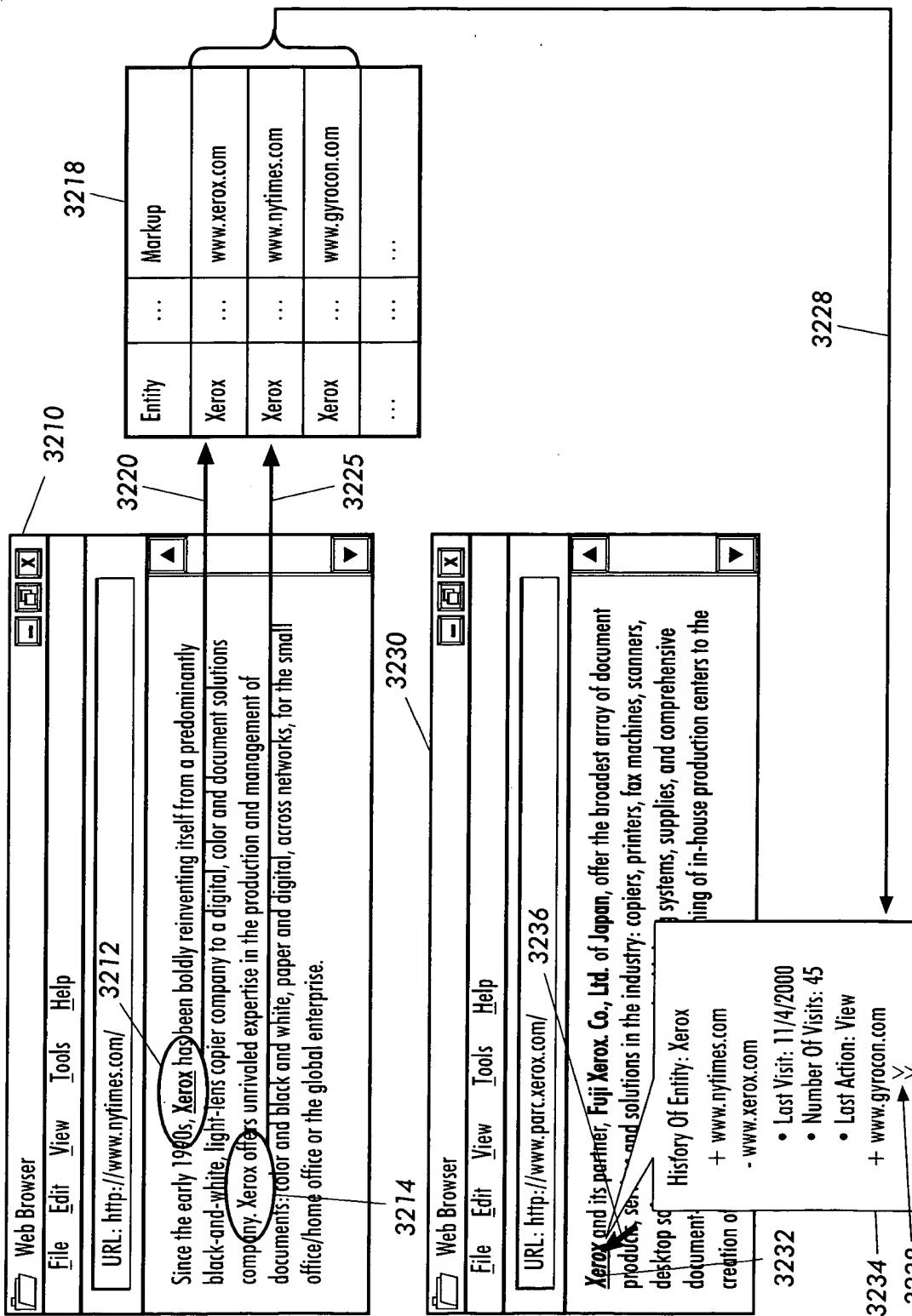


FIG. 32



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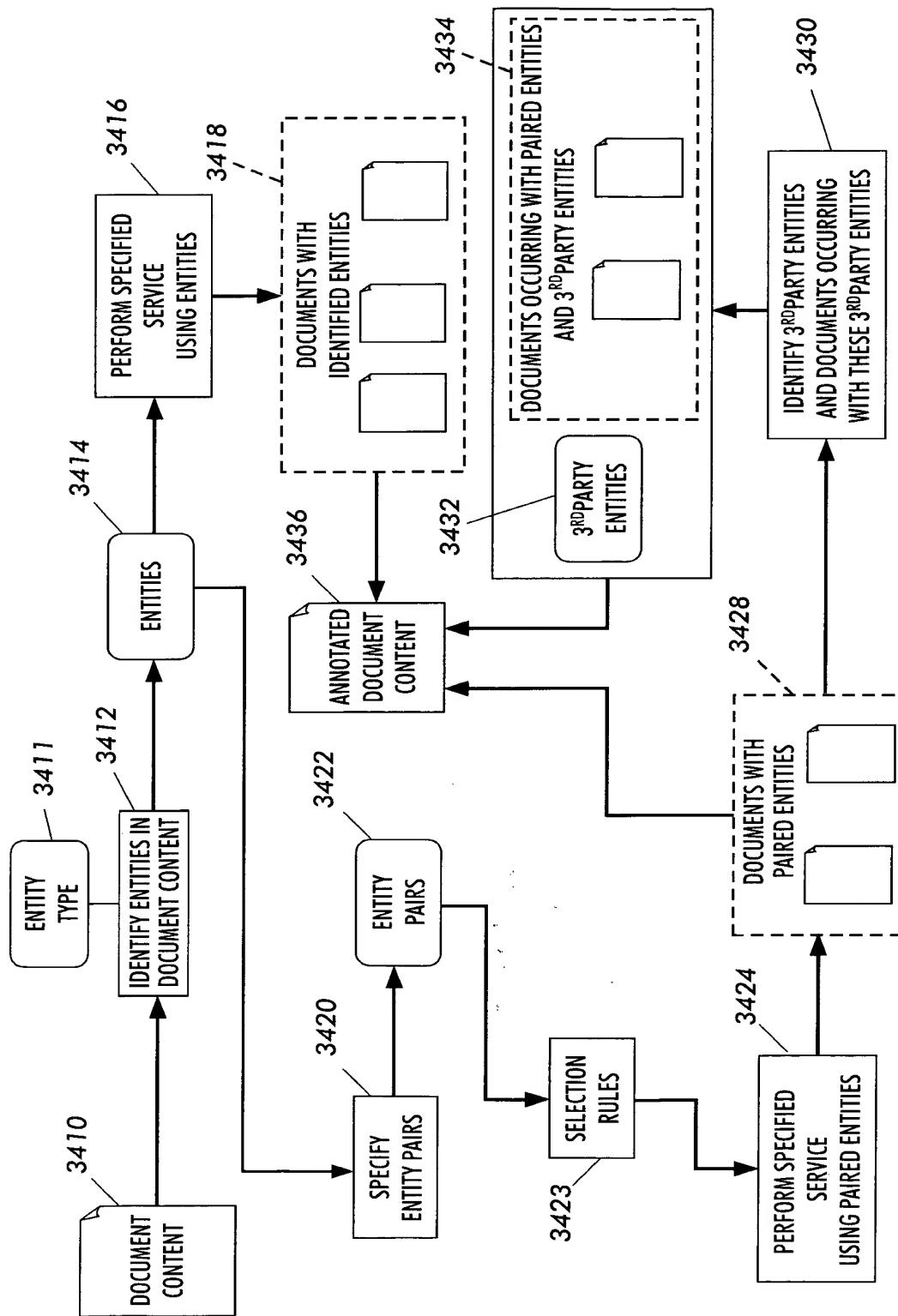
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ENTITY	ENTITY TYPE	VISITS	LAST VISIT	ACTION LIST	DMOZ CATEGORY	LOCATION	POS	MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW(43), PRINT(2)	BUSINESS	40	NOUN	WWW.XEROX.COM
XEROX	BUSINESS	1	5/1/2001	VIEW(1)	FINANCE	689	NOUN	WWW.NYTIES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER	343	NOUN	WWW.GYROCON.COM
...

FIG. 33

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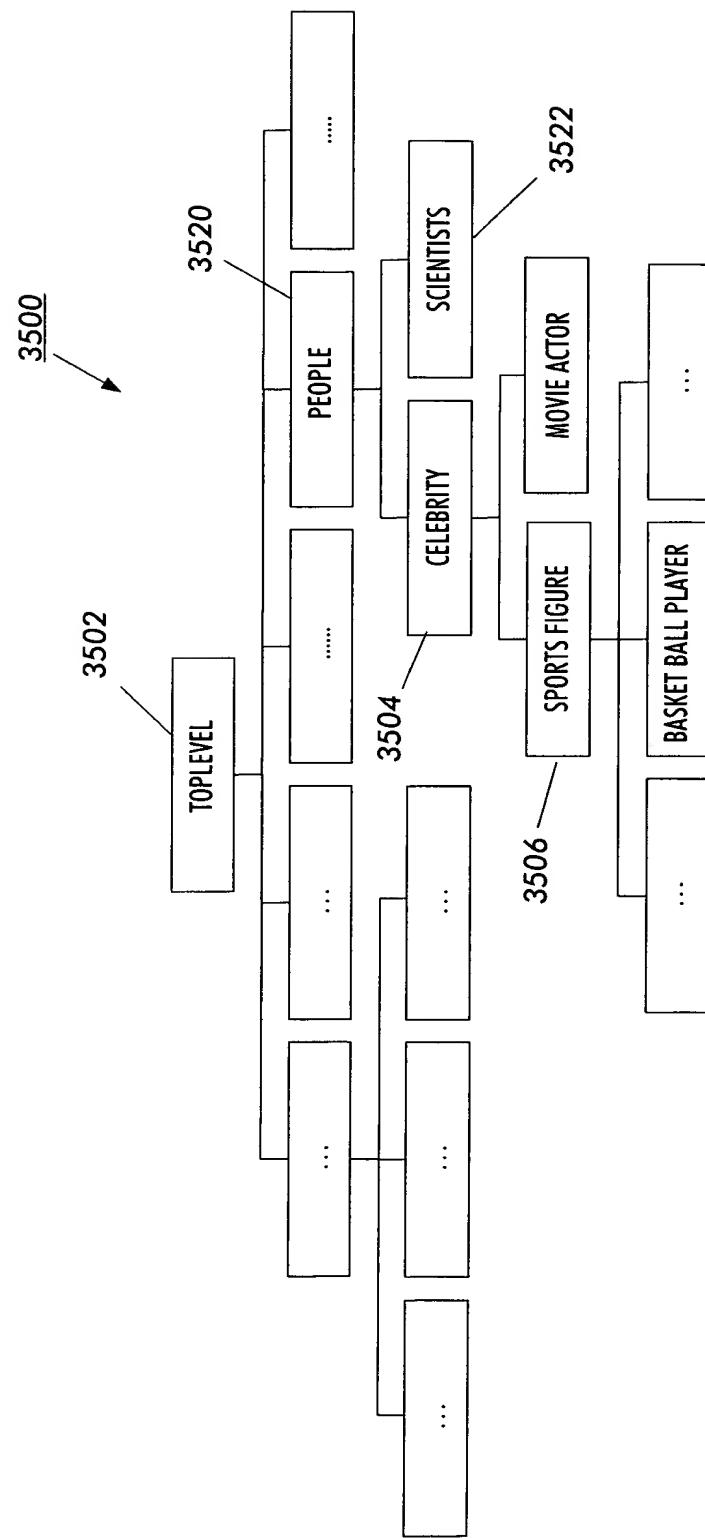


FIG. 35

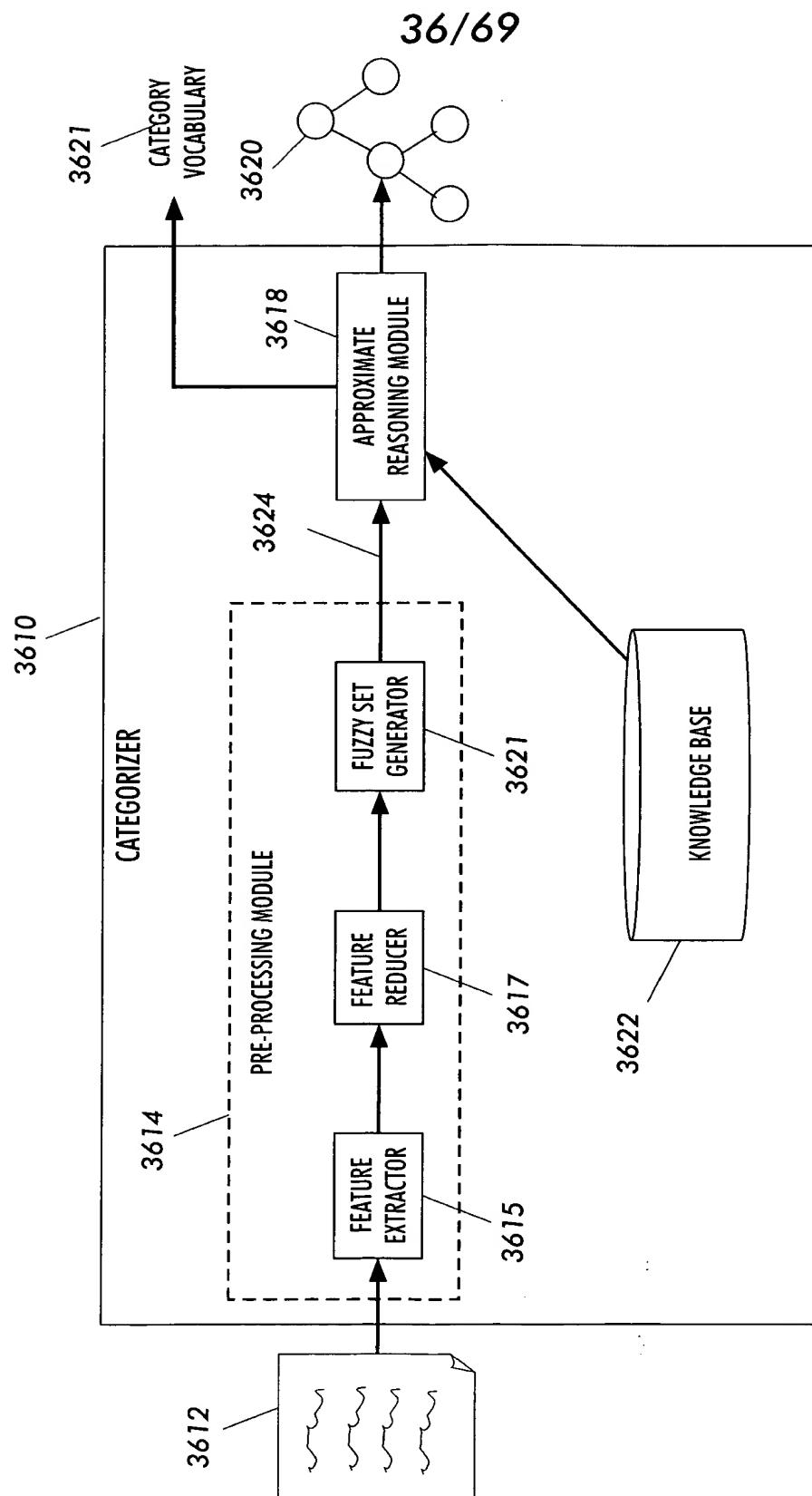


FIG. 36

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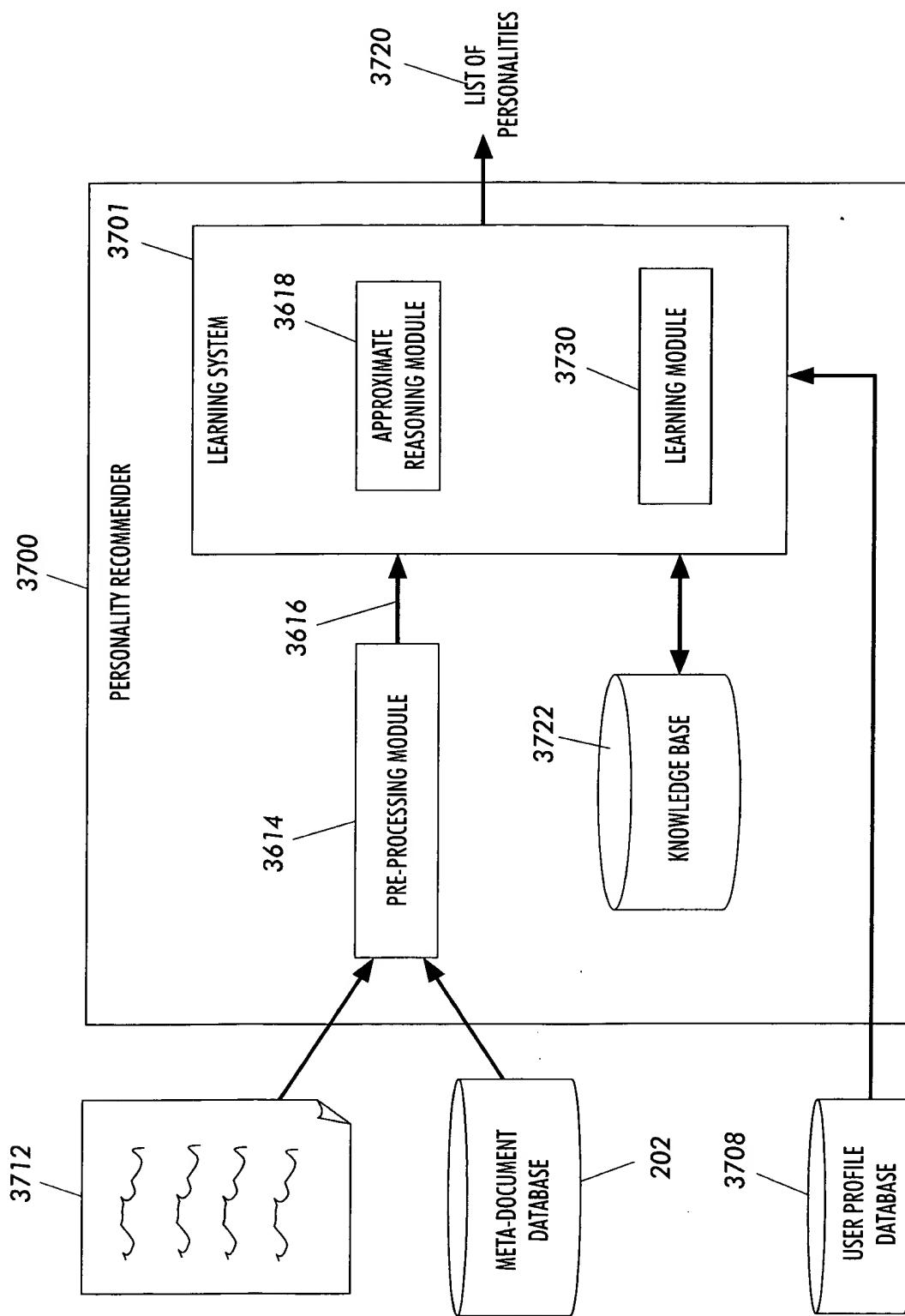


FIG. 37

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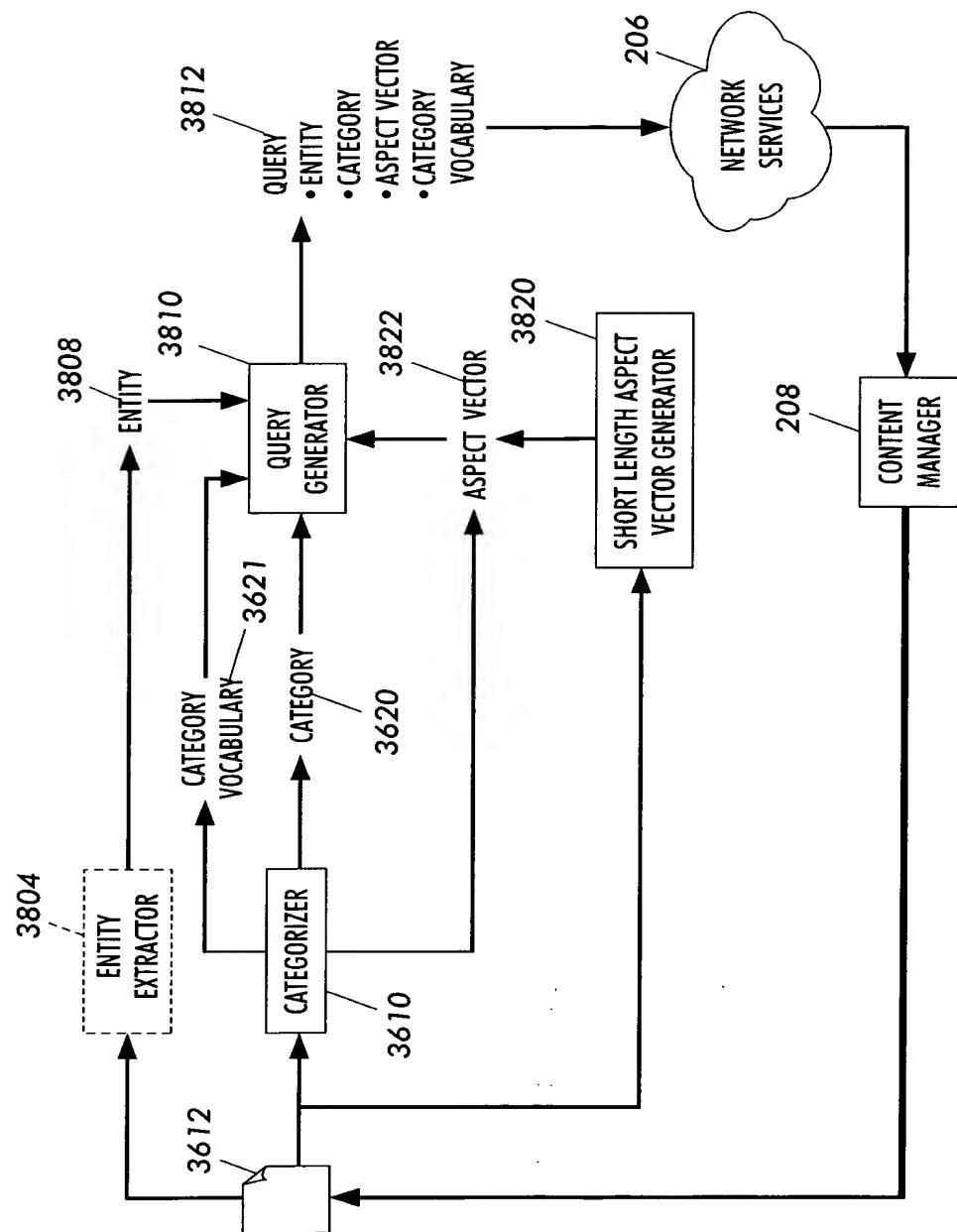


FIG. 38

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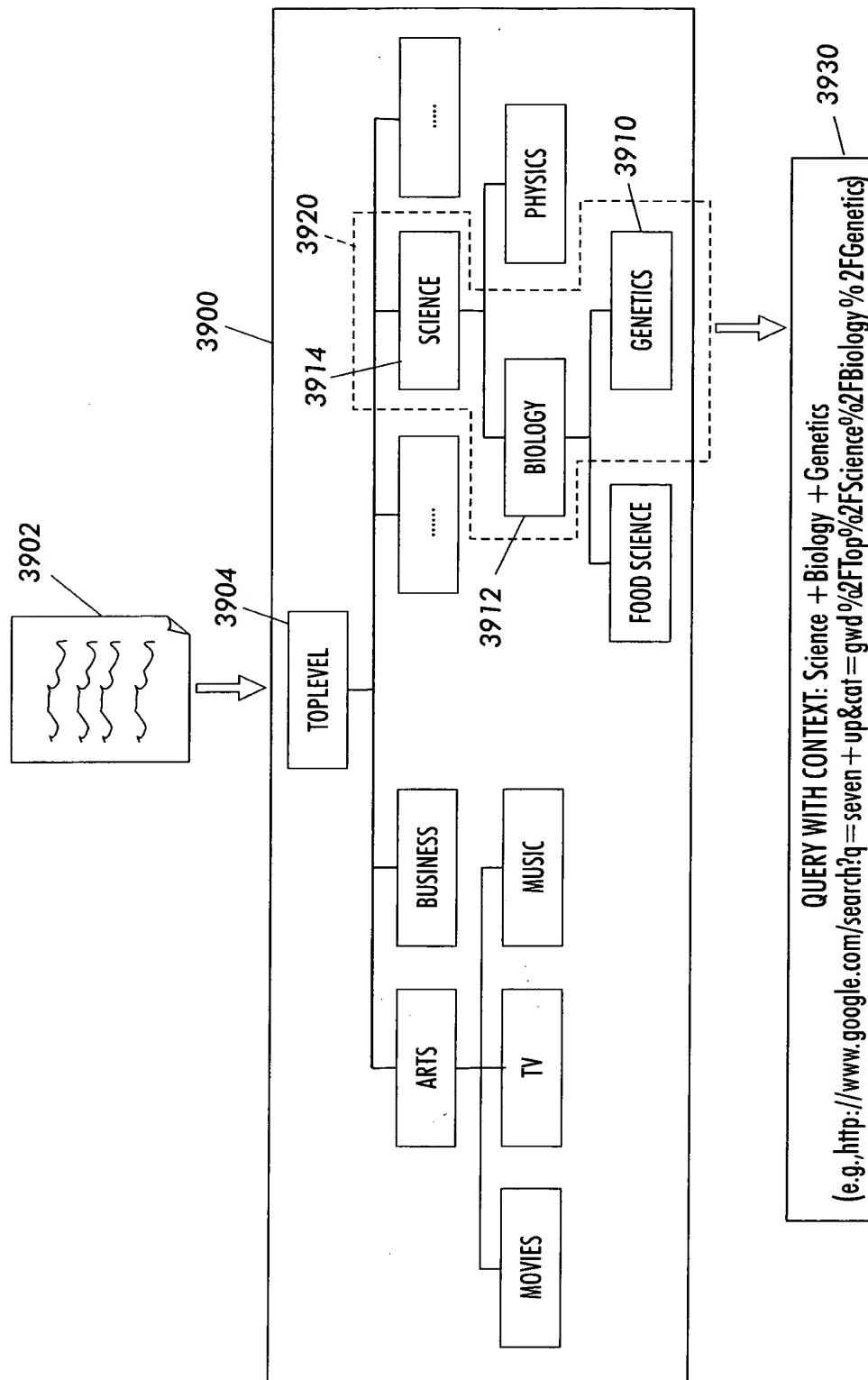


FIG. 39

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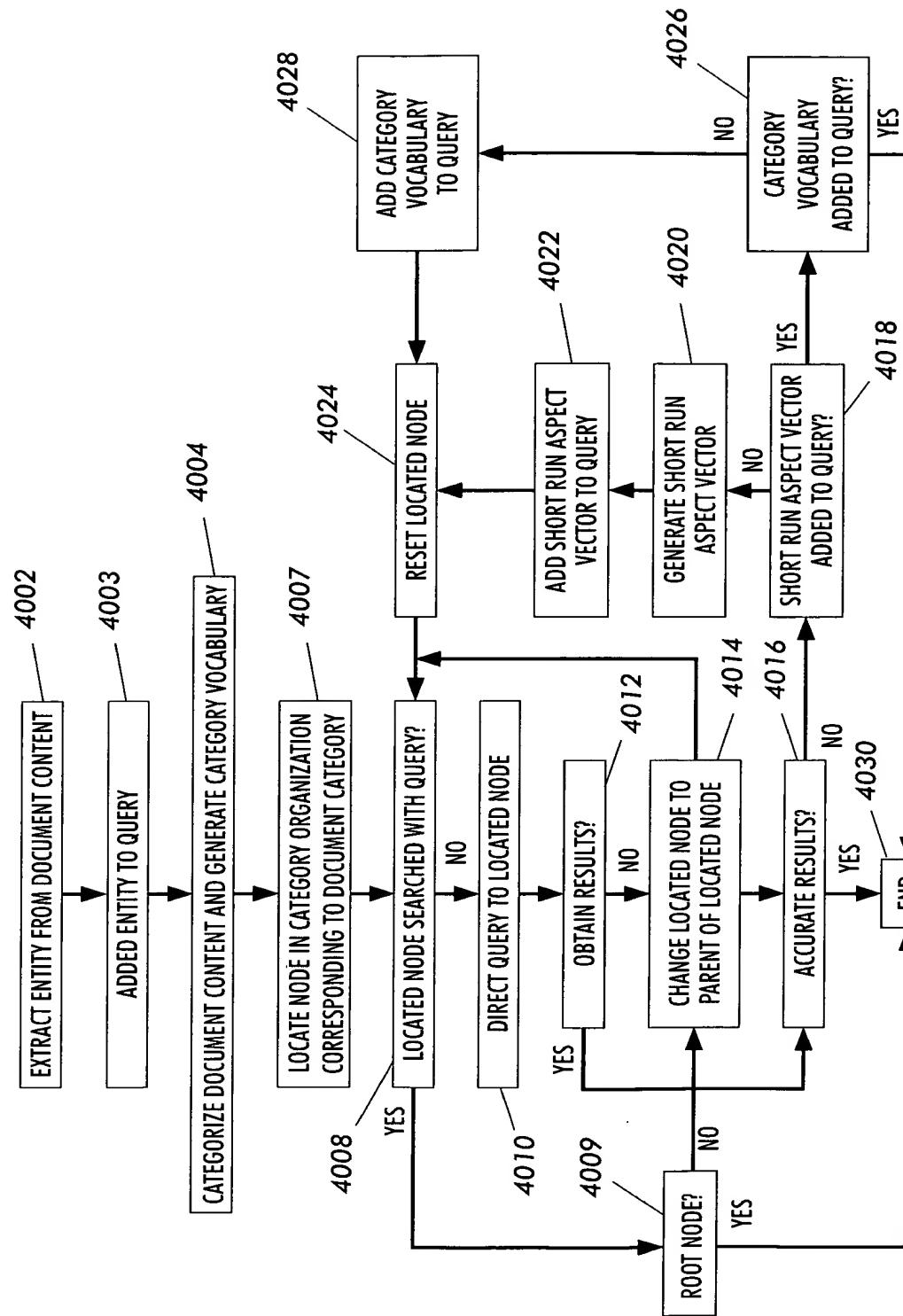


FIG. 40



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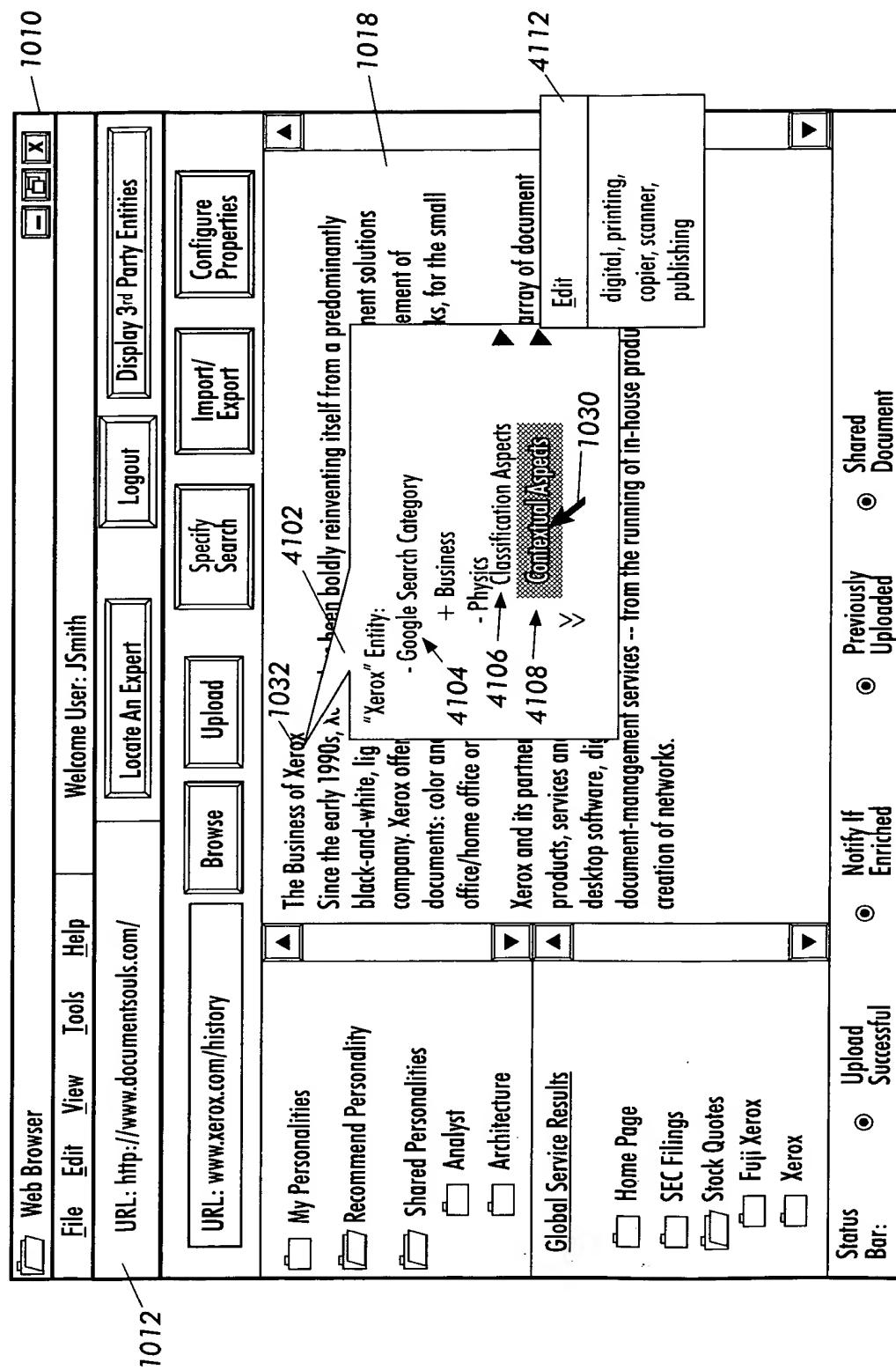


FIG. 41

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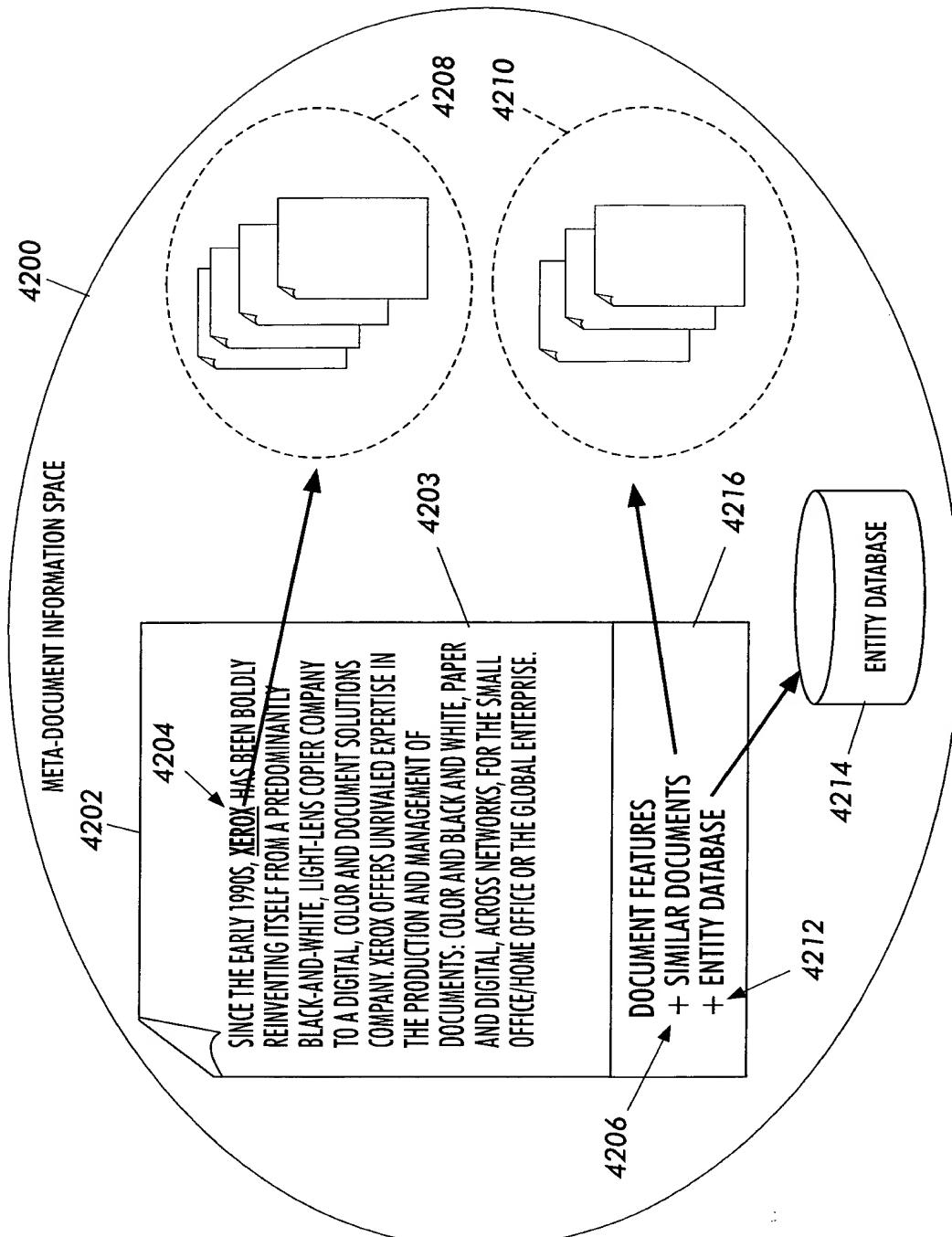


FIG. 42

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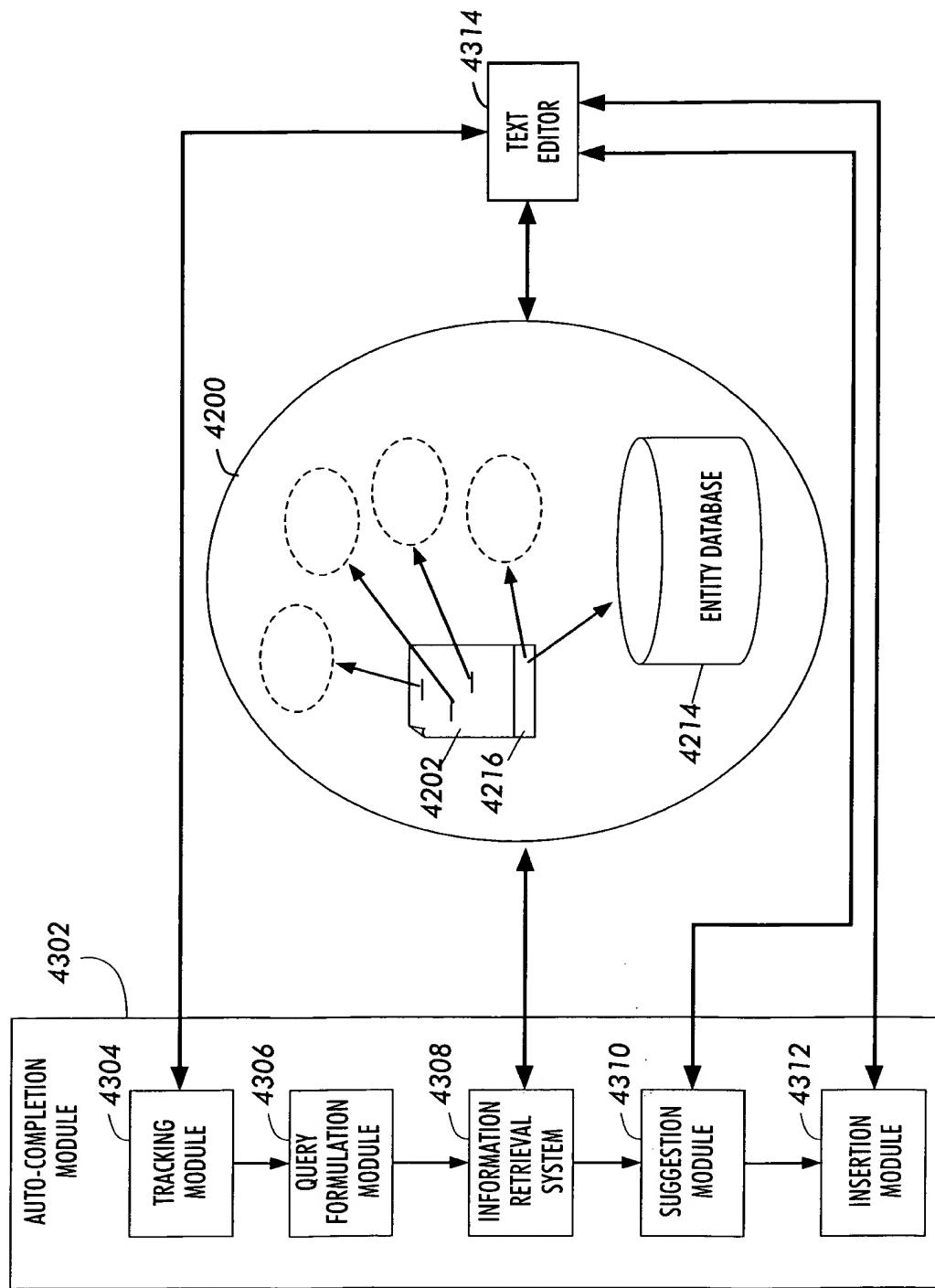


FIG. 43

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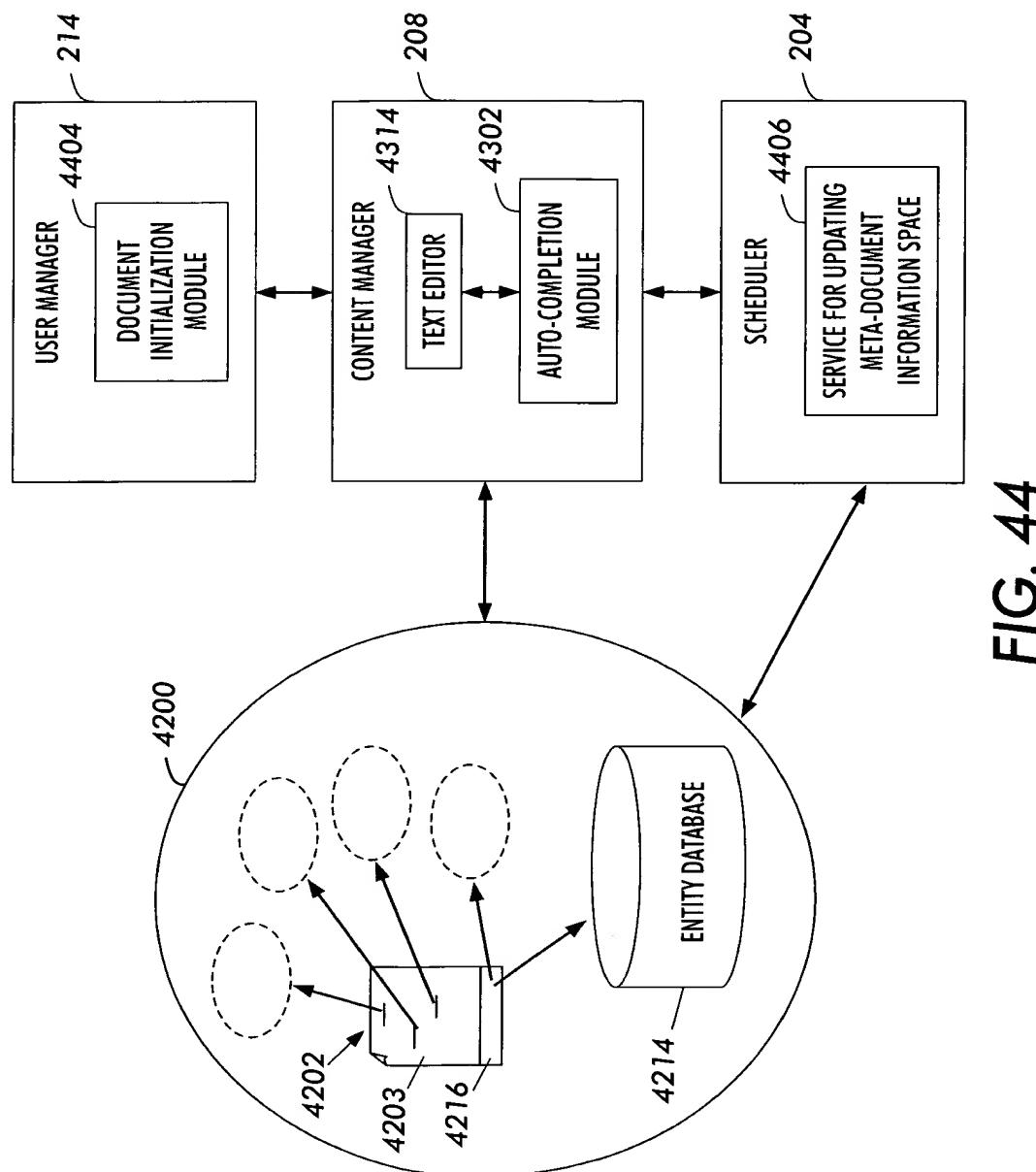


FIG. 44

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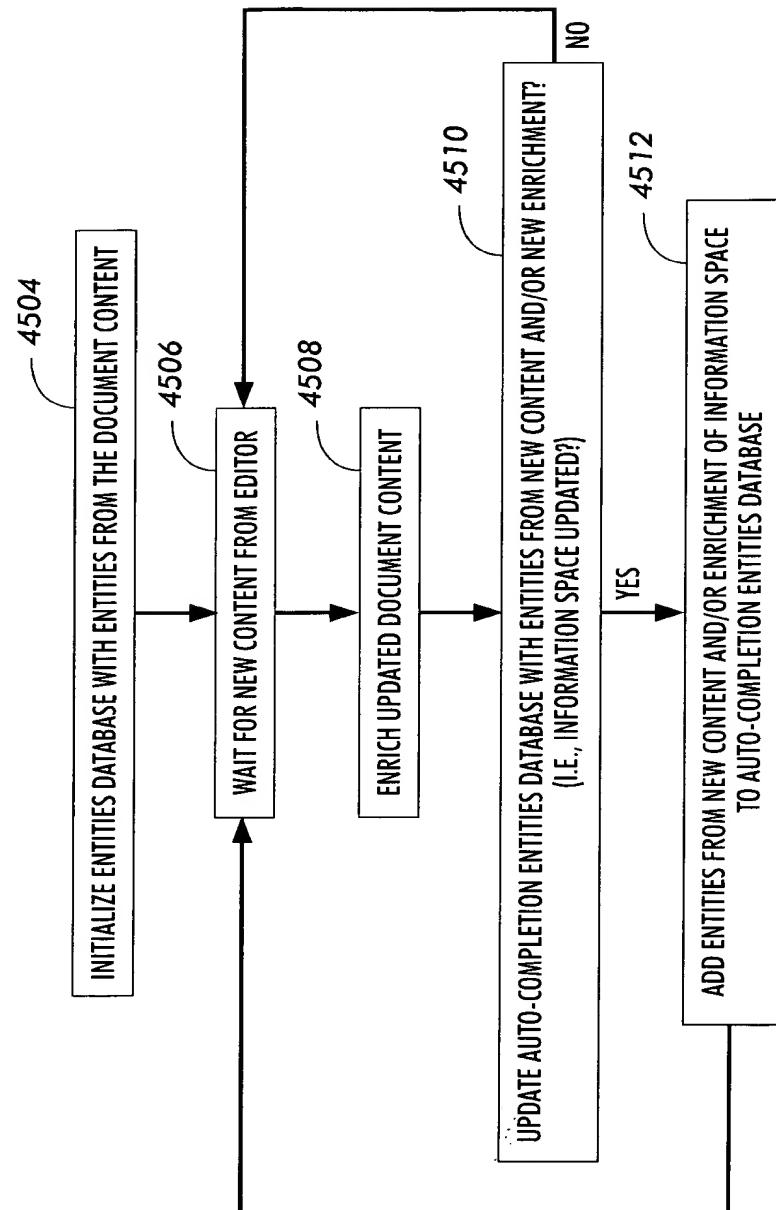


FIG. 45

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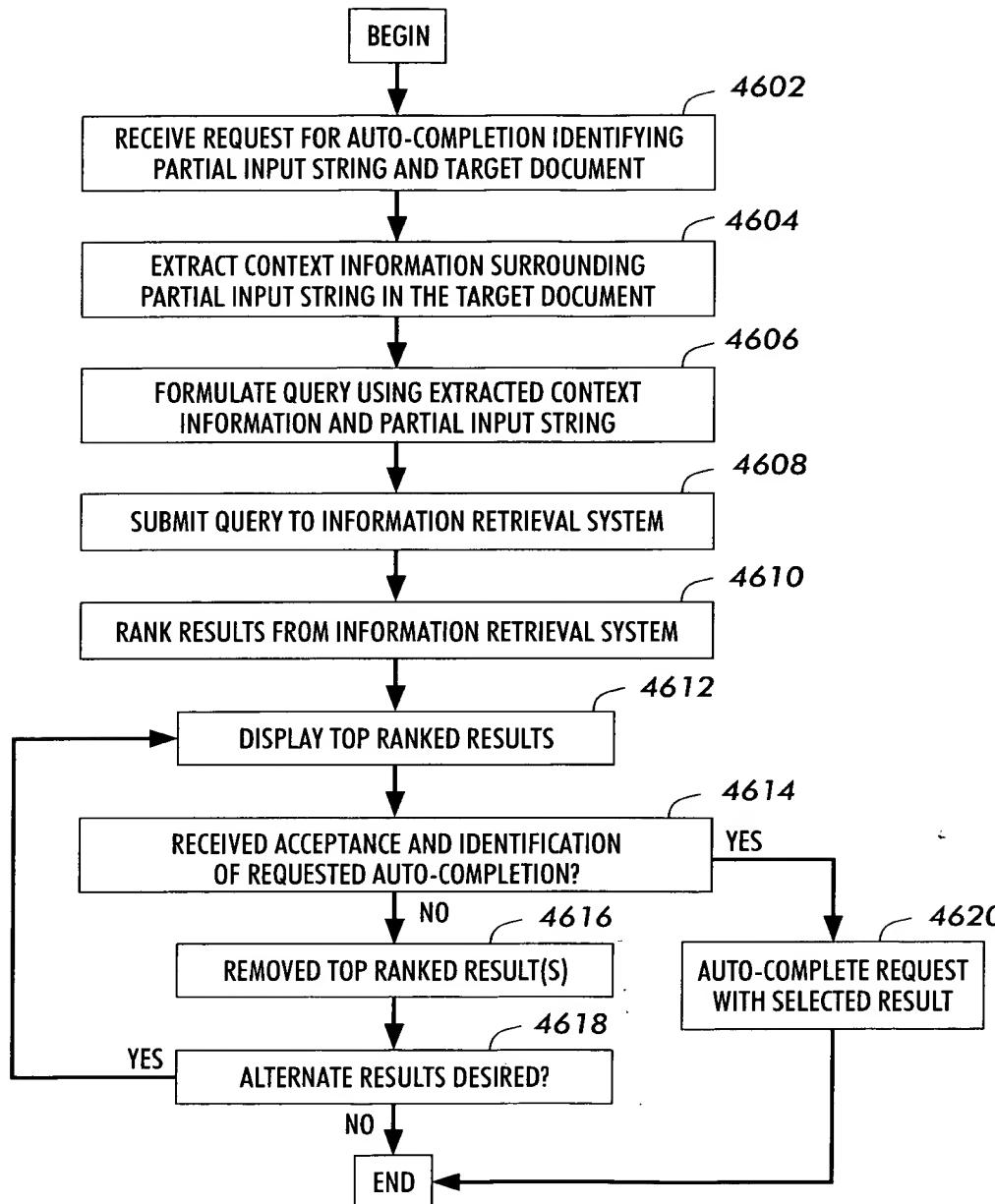


FIG. 46



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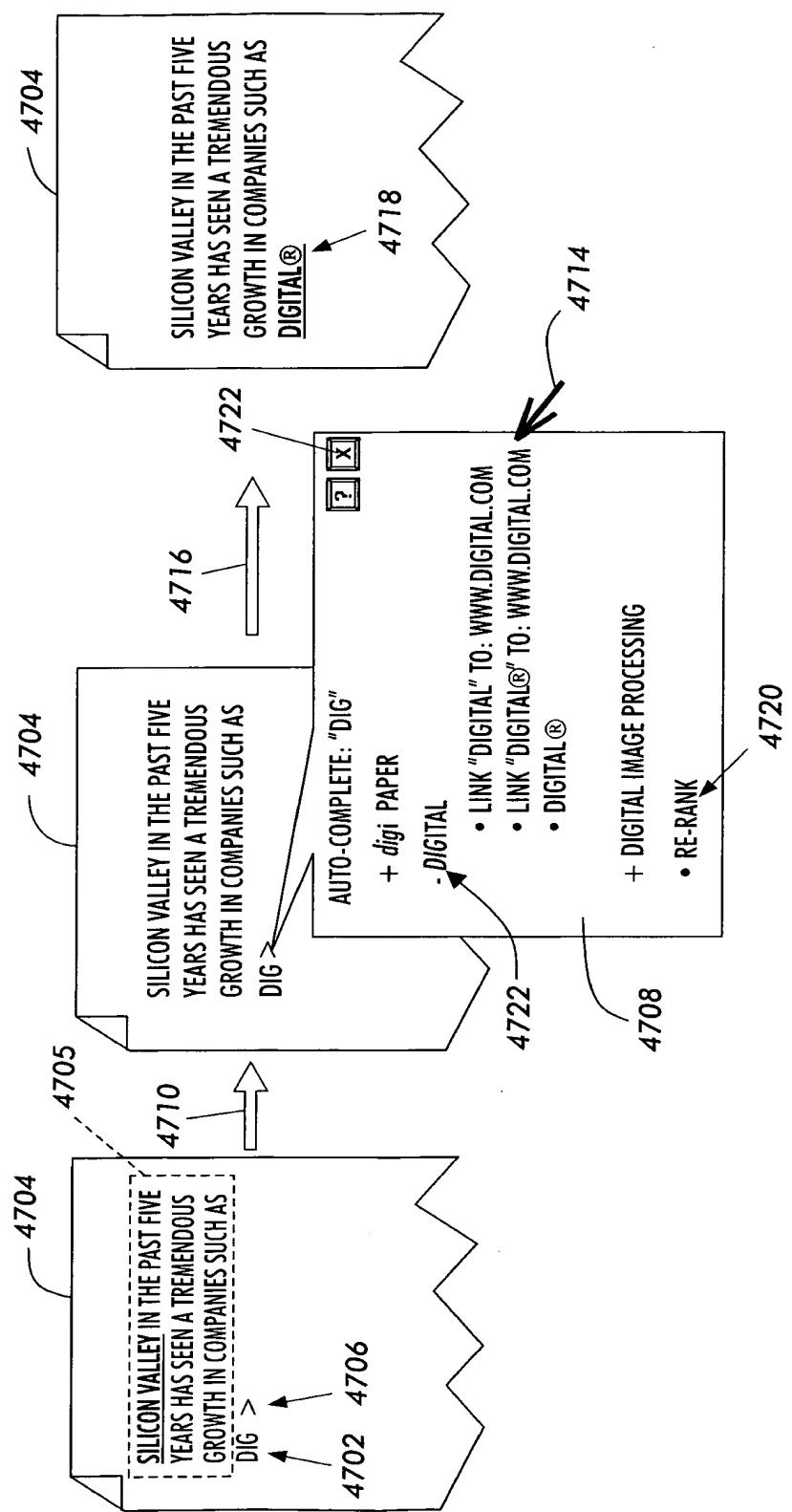


FIG. 47



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(A) KEY	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN CONTENT	(F) ORIGIN POSITION	(G) PART OF SPEECH	(H) CONTEXT
Sili	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT	1	Noun	Science
Dig	Digital	www.digital.com	®	www.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
...

FIG. 48

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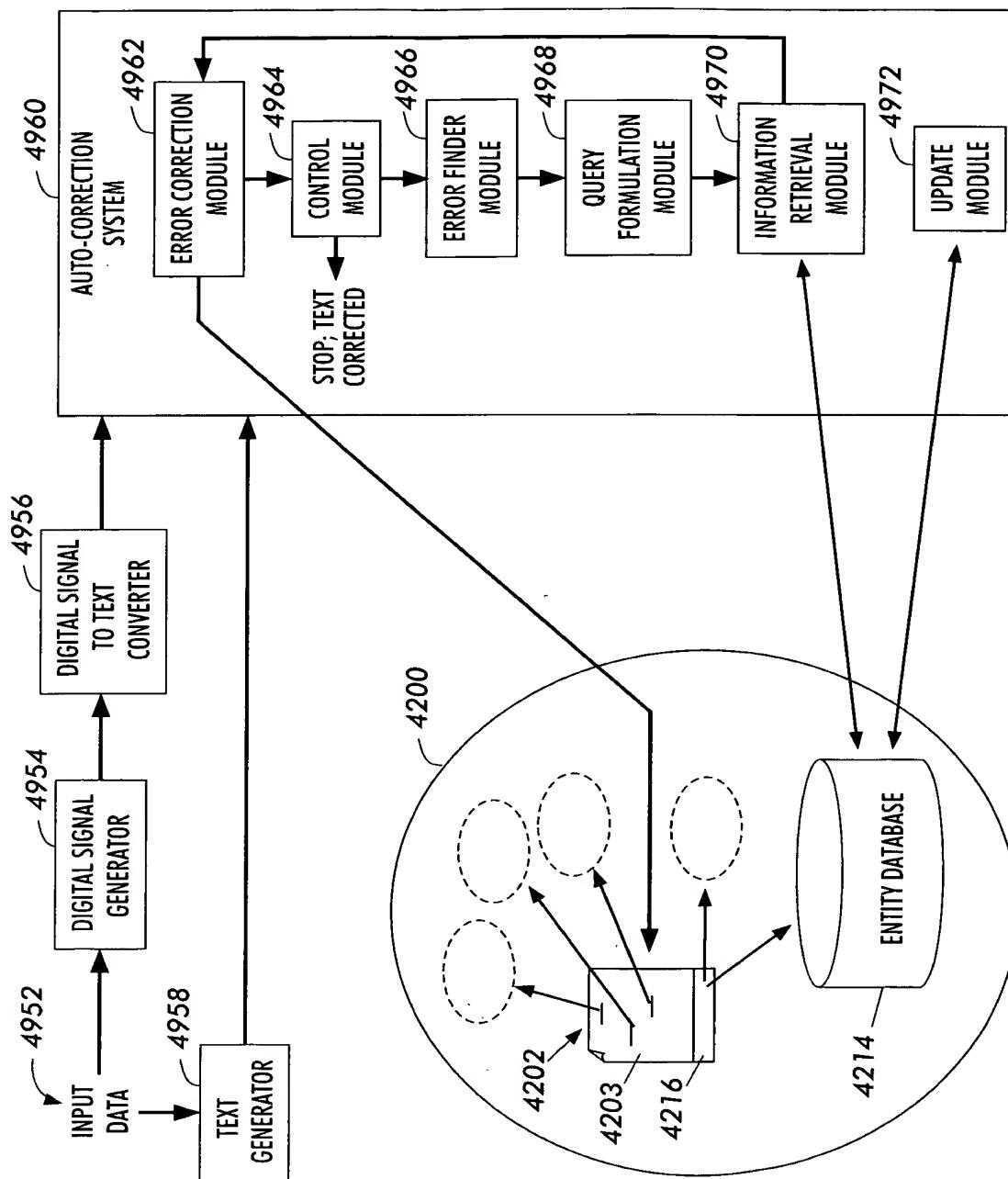
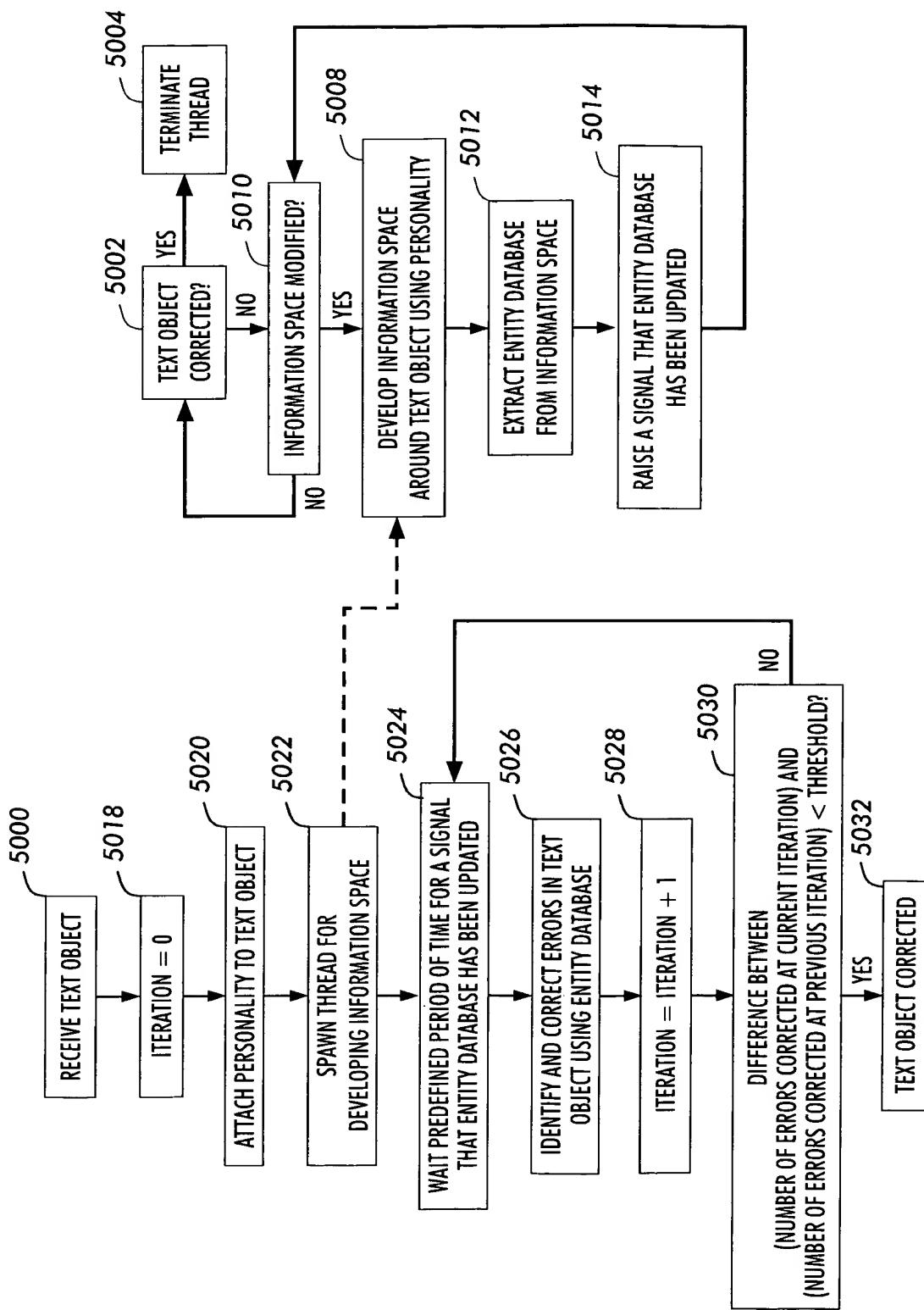


FIG. 49

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P R I V A T E & T R A S H F O R M A T I O N

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F/G. 50

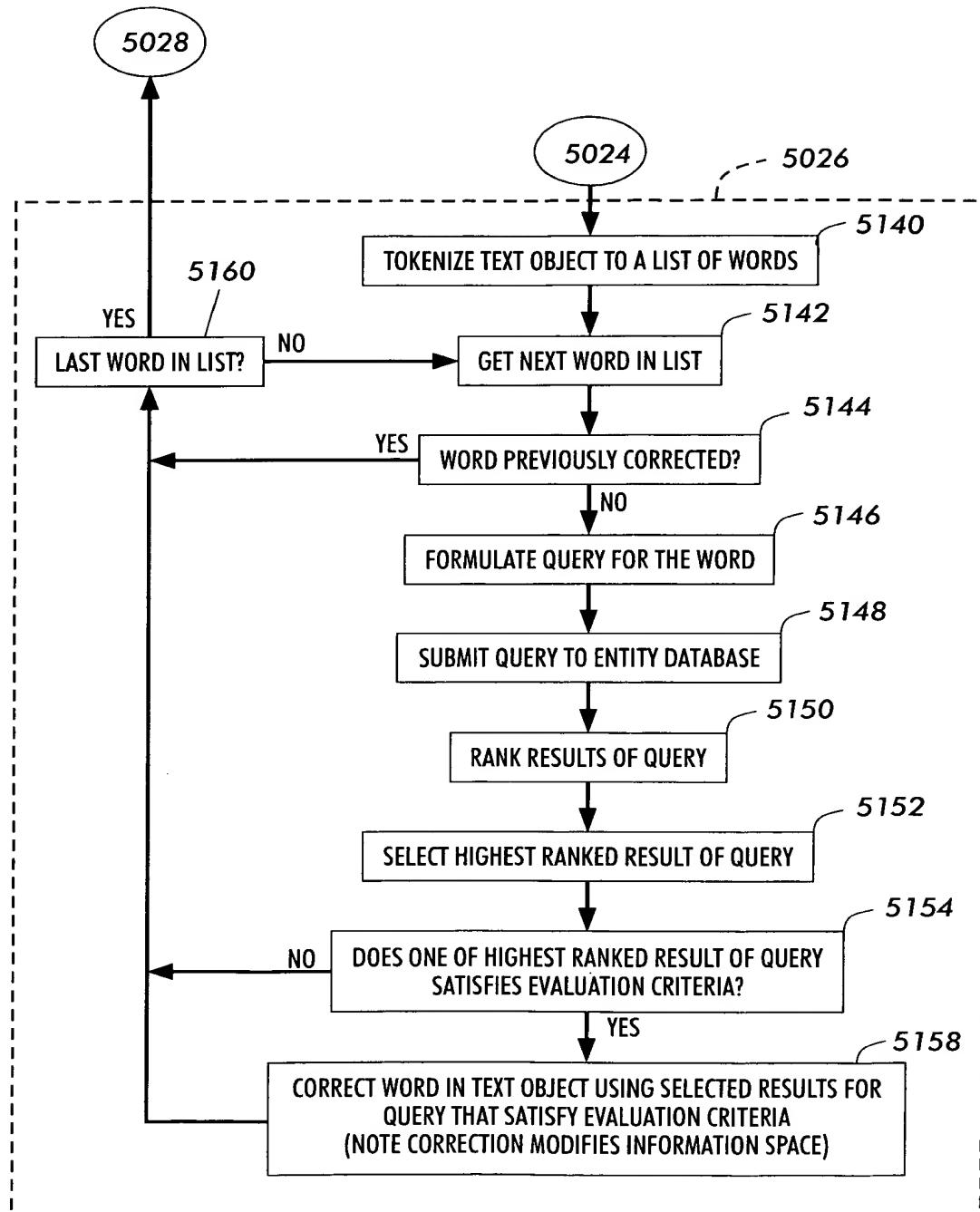


FIG. 51

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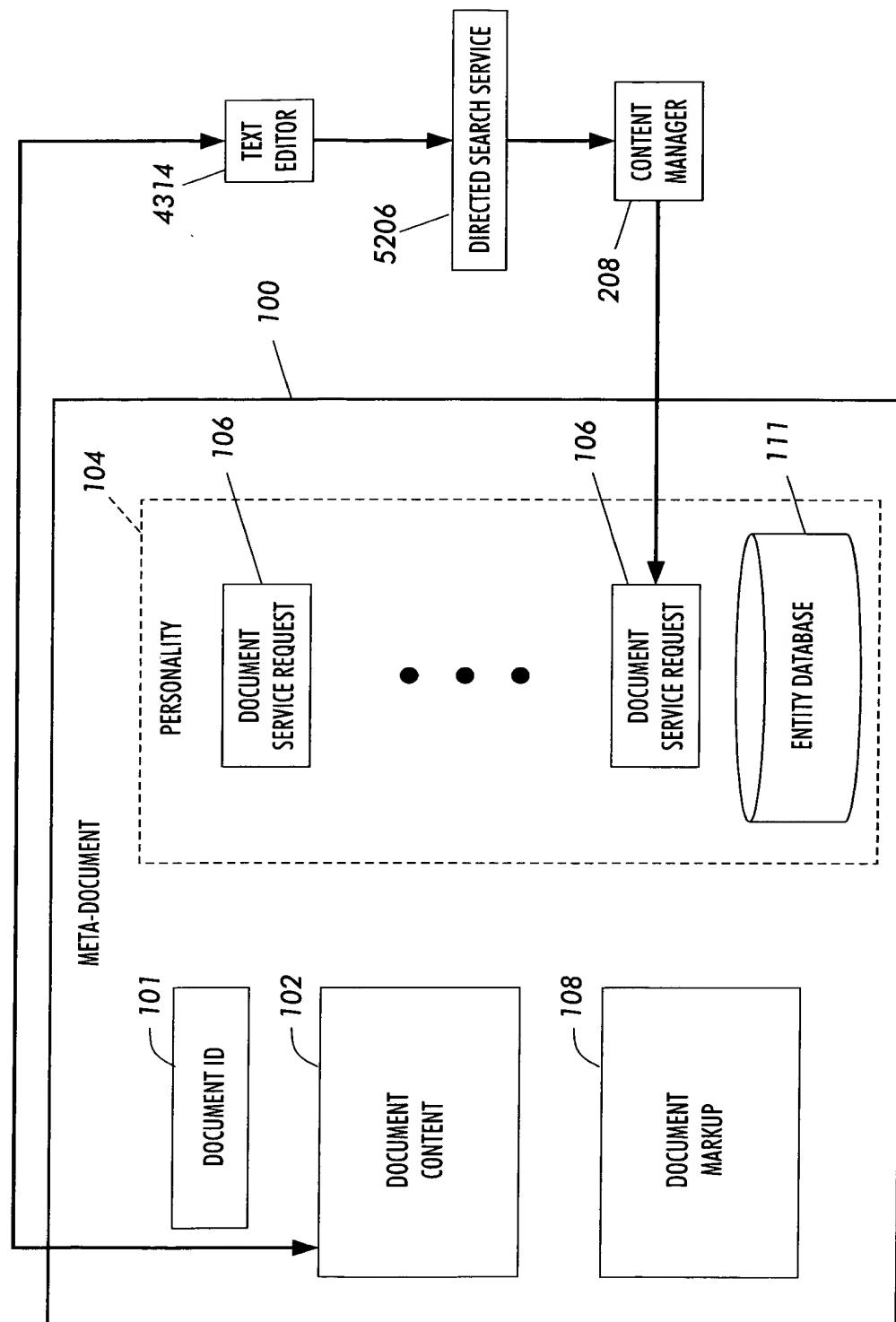


FIG. 52

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5300

DIRECTED SEARCH

Get: Products For: Xerox

Insert Result as: Link Content Metadata

Update Frequency: Monthly

Select Providers

Reuters
Thomson
Hoover

Ensures:

Language of text is: English

Premium Non-Premium

Low Quality High Quality

Copyrighted Not Copyrighted

Free Paid Max price \$: 50

Maximum number of words: 2000

Search Selected Providers By: Cost Speed

Location Of Results:

After Current Selection

Before Current Selection

As Comment To Current Selection

As Footnote To Current Selection

Current Selection Is:

Xerox in the past five years has seen tremendous growth

Cancel Insert

5302 5304 5306 5308 5310 5312 5315 5317 5316 5318 5320 5322 5314

FIG. 53



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5400

```
<service id='Products'  
refresh=30  
insert='Content'  
language='En'  
quality='Premium&High&Not-copyrighted&paid'  
maxprice='50'  
maxwords='2000'  
search='cost'>  
<entity>Xerox  
<offsets>13 18 456 461 710 715</offsets>  
<provider name='Thomson' id=18></provider>  
<provider name='Reuters' id=19></provider>  
</entity>  
</service>
```

FIG. 54

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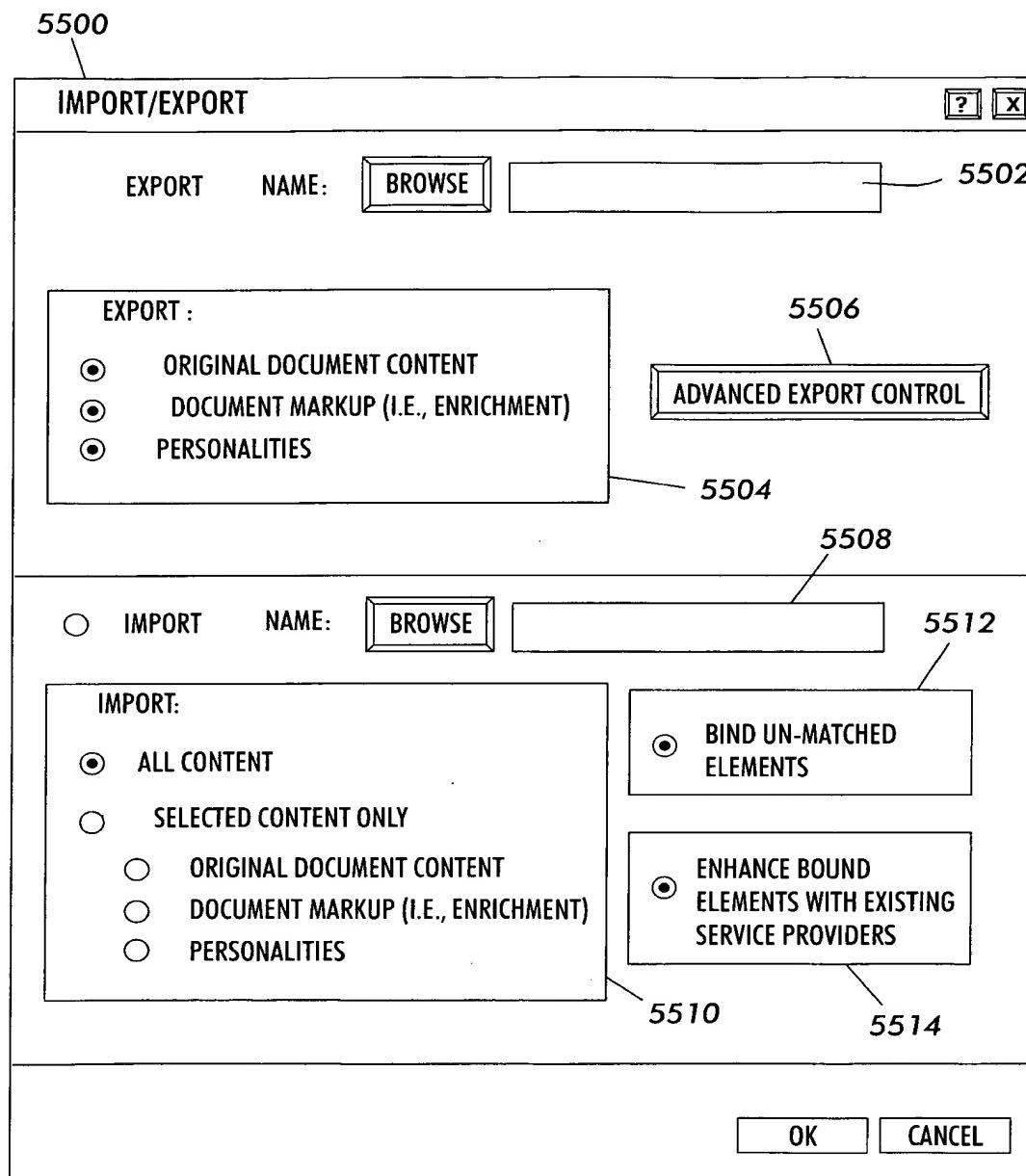


FIG. 55



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```
<!-- SERVER ID>
<docSouls:serverId> DS v1.0 server name </docSouls:serverId>
<!-- PROPERTIES OF DOCUMENT>
<docSouls:docId> xxx </docSouls:docId>
<docSouls:name> xxx </docSouls:name>
<docSouls:owner> xxx </docSouls:owner>
...
<!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
<docSouls:originalDoc format="HTML">toto.html</docSouls:originalDoc>
<docSouls:browsingDoc format="HTML">browse.html</docSouls:browsingDoc>

<!-- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
<docSouls:endowmentDescription>
<!-- LIST OF PERSONALITIES>
<docSouls:personality id = " " name="" etc.>
  <docSouls:service id="" name="" etc.>
    <docSouls:provider name="" etc.>
      <docSouls:provider name="" etc.>
        </docSouls:service>
    <docSouls:personality>
  ...
<!-- LIST OF SERVICE REQUESTS>
<docSouls:service id="" name="" etc.>
  <docSouls:provider name="" etc.>
    <docSouls:provider name="" etc.>
      </docSouls:service>
  ...
</docSouls:endowmentDescription>
```

FIG. 56



```
<!-- DESCRIPTIONS OF PERSONALITIES>
<docsouls:personalitydescription>
<docsouls:id> xx </docsouls:id>
<!-- all the fields AND service categories>
<docsouls:servicecategory id="" name = "">
</docsouls: personalitydescription>

<!-- NEXT PERSONALITY DESCRIPTION>
...
<!-- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
<docsouls:servicedescription>
<docsouls:id> xx </docsouls:id>
<!-- list all fields (e.g., "refresh period", category, etc.)>
<!-- list all providers>
<docsouls:provider id="" name = "">
<!-- list all strategies>
<!-- list status of services (original, frozen, mapped, etc.)>
<docsouls:servicestatus status="mapped" originalid="" originalserver="">
<!-- list ServerId if the service was not available on current server>
<docsouls:serverid>id</docsouls:serverid>
</docsouls:servicedescription>

<!-- NEXT SERVICE REQUESTS DESCRIPTION>
...

```

FIG. 57



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```
<!-- DESCRIPTION OF PROVIDERS -->
<docsouls:providerdescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields e.g. key, URL, etc. -->
</docsouls: providerdescription >

<!-- DESCRIPTION OF DICTIONARIES -->
<docsouls:dictionarydescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields, e.g. category -->
</docsouls:dictionarydescription>

<!-- DESCRIPTION OF STRATEGY -->
<docsouls:strategydescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields -->
  <!-- all the dictionaries -->
</docsouls: strategydescription>

<!-- RESULTS OF GLOBAL SERVICES -->
<docsouls:globalservice id="Summary">
  <docsouls:link> xxx </docsouls:link>
  <docsouls:content> xxx </docsouls:content>
</docsouls:globalservice>

<!-- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC. -->
```

FIG. 58A



```
<!-- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT
SYSTEMS>
<docsouls:serverId>olderServerId</docsouls:serverId>
<docsouls:personalitydescription>...</docsouls: personalitydescription>...</docsouls: servicedescription>
<docsouls:serverId>...</docsouls:serverId>

<!-- (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT >
<!-- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC >
<docsouls:docpart>main_frame.html</docsouls: docpart>
<!-- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION >
<docsouls:offset> 0 200 </docsouls:offset>
<!-- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN") >
<docsouls:service id="StockQuote" status="active">
<!-- ENTITY >
<docsouls:entity>Xerox
<!-- NORMALIZED FORM >
<docsouls: normform>Xerox</docsouls: normform>
<!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION >
<docsouls: offsets start=35 end=40 />
<docsouls: offsets start=232 end=237 />
<!-- DICTIONARIES >
<docsouls: dict> xxx </docsouls: dict>
<!-- STRATEGIES >
<docsouls: strat> xxx </docsouls: strat>
<!-- LINK INFORMATION >
<docsouls: link> xxx </docsouls: link>
<!-- CONTENT INFORMATION >
<docsouls: content> xxx </docsouls: content>
</docsouls: entity>
<!-- NEXT ENTITY>
...
</docsouls: service>
```

FIG. 58B

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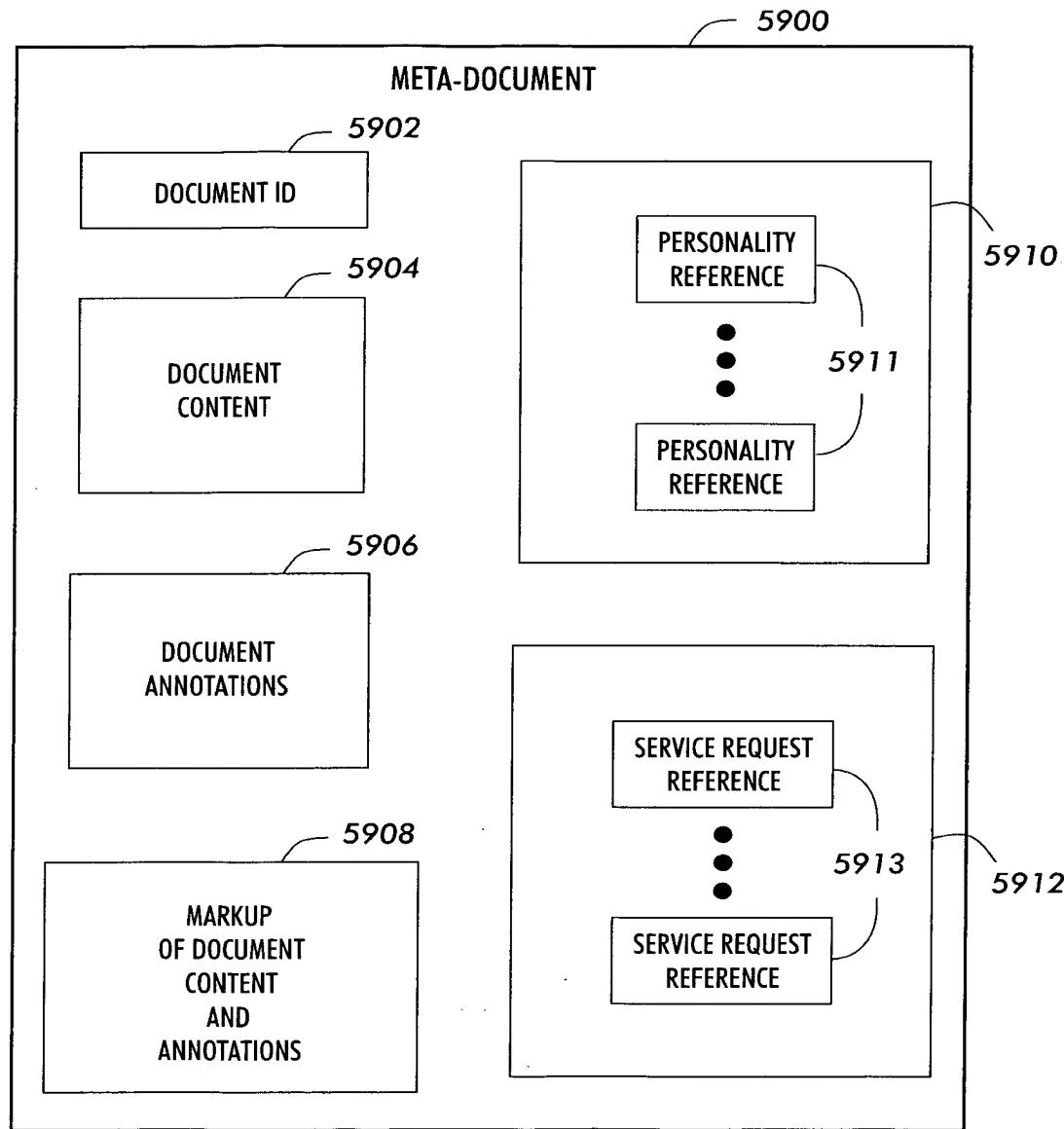


FIG. 59

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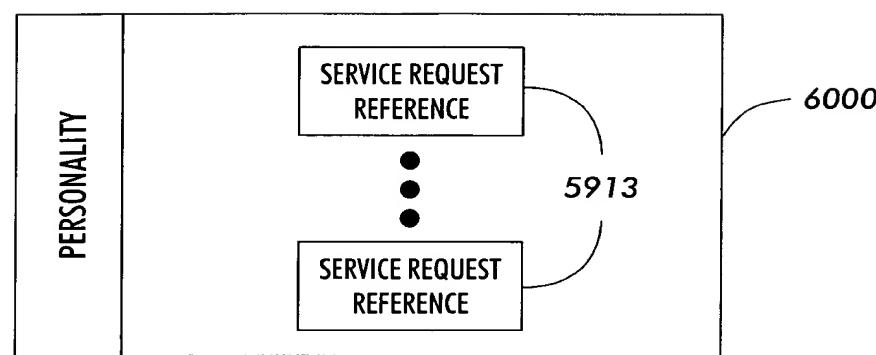


FIG. 60

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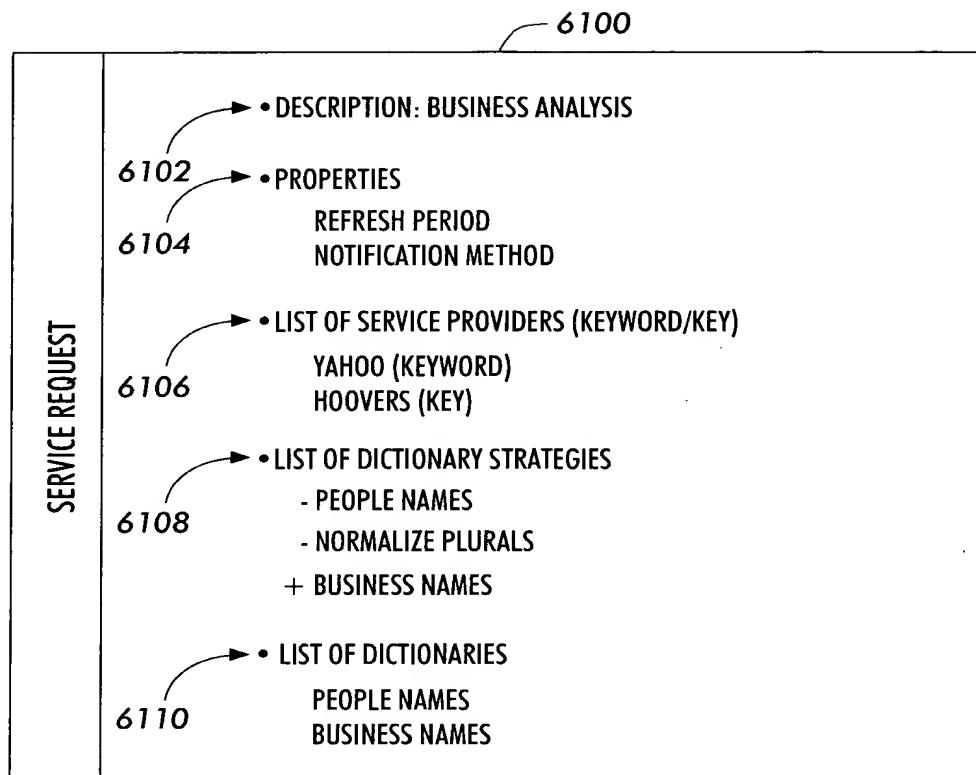


FIG. 61

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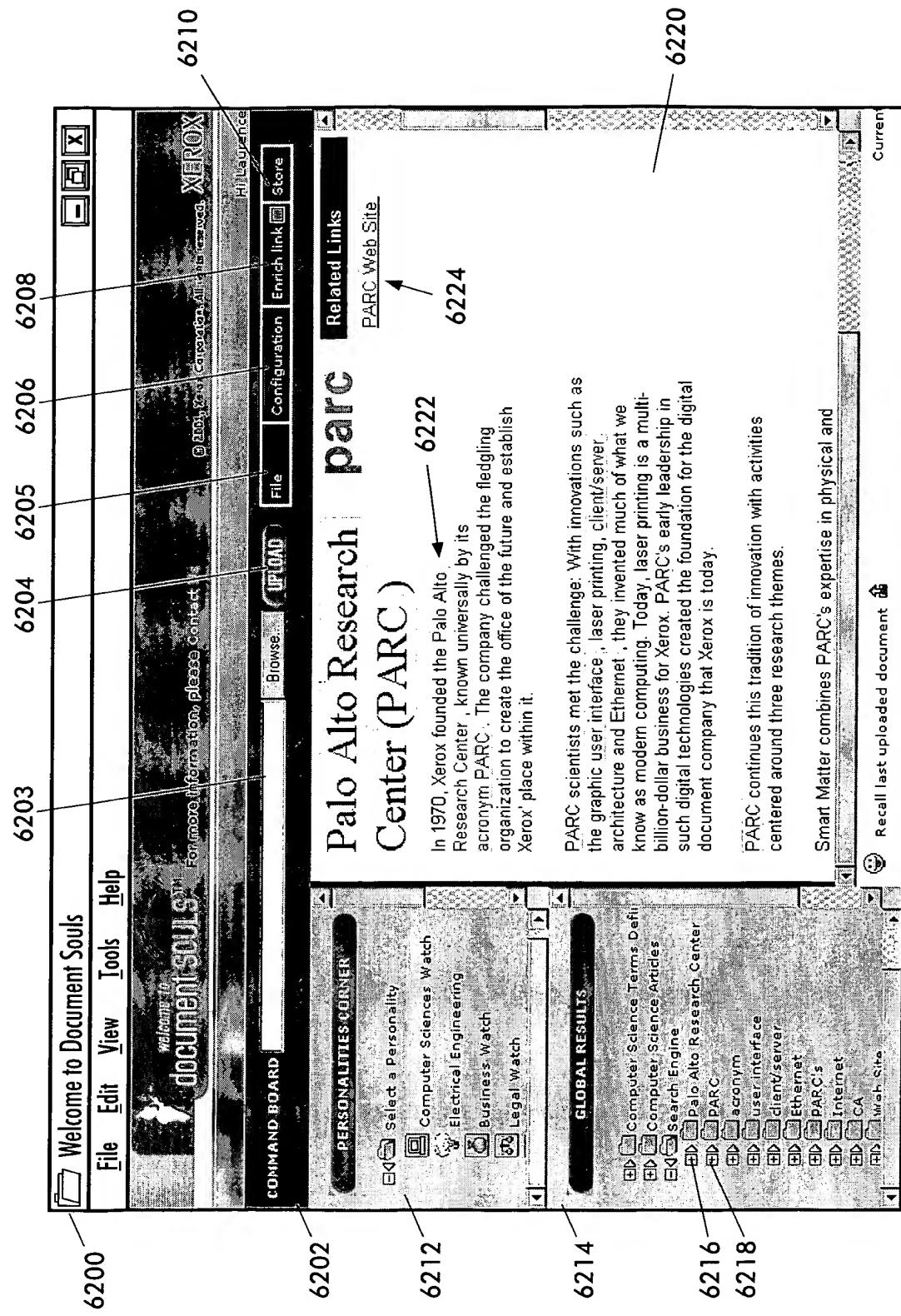


FIG. 62

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DOCUMENT SOUL GLOBAL VIEW		6302		6304		6306		6310		6312	
<input type="checkbox"/>	Document : http://www2.xerox.com/go/...										
<input type="checkbox"/>	Personality : Computer Sciences Watch										
<input type="checkbox"/>	Global percent					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	harcourt Computer Science Terms Definition					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	nightflight Computer Science Terms Definition					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	techweb Computer Science Terms Definition					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	nist Algorithms Description					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	calliope Computer Science Articles					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	cineser Computer Science Articles					100%	100%	100%	100%	100%	100%
<input type="checkbox"/>	csb Computer Science Articles					100%	100%	100%	100%	100%	100%

FIG. 63

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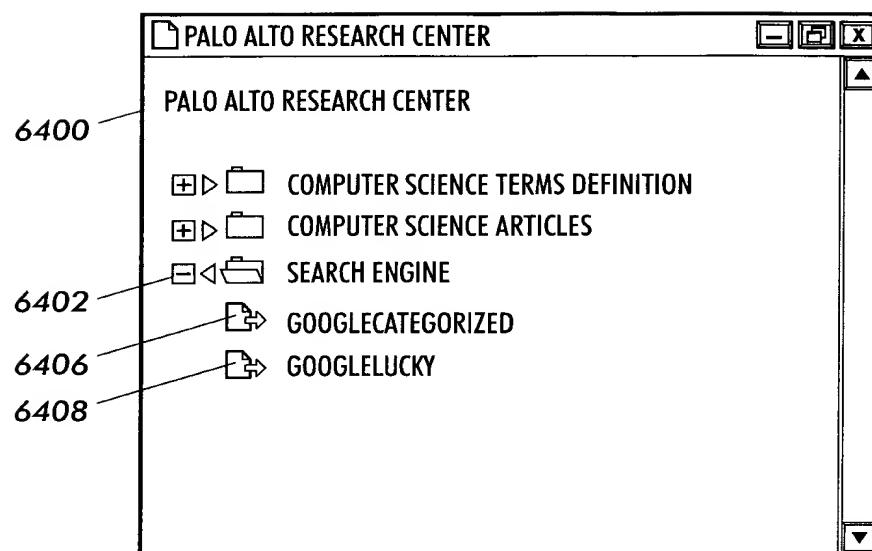


FIG. 64



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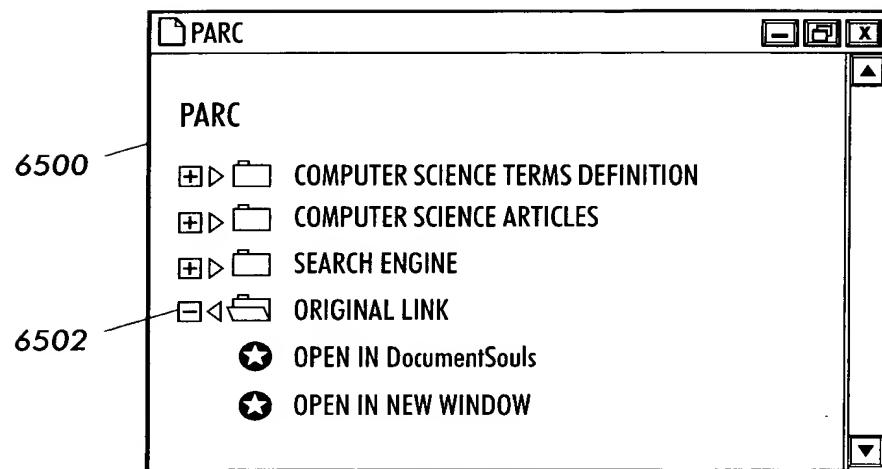


FIG. 65



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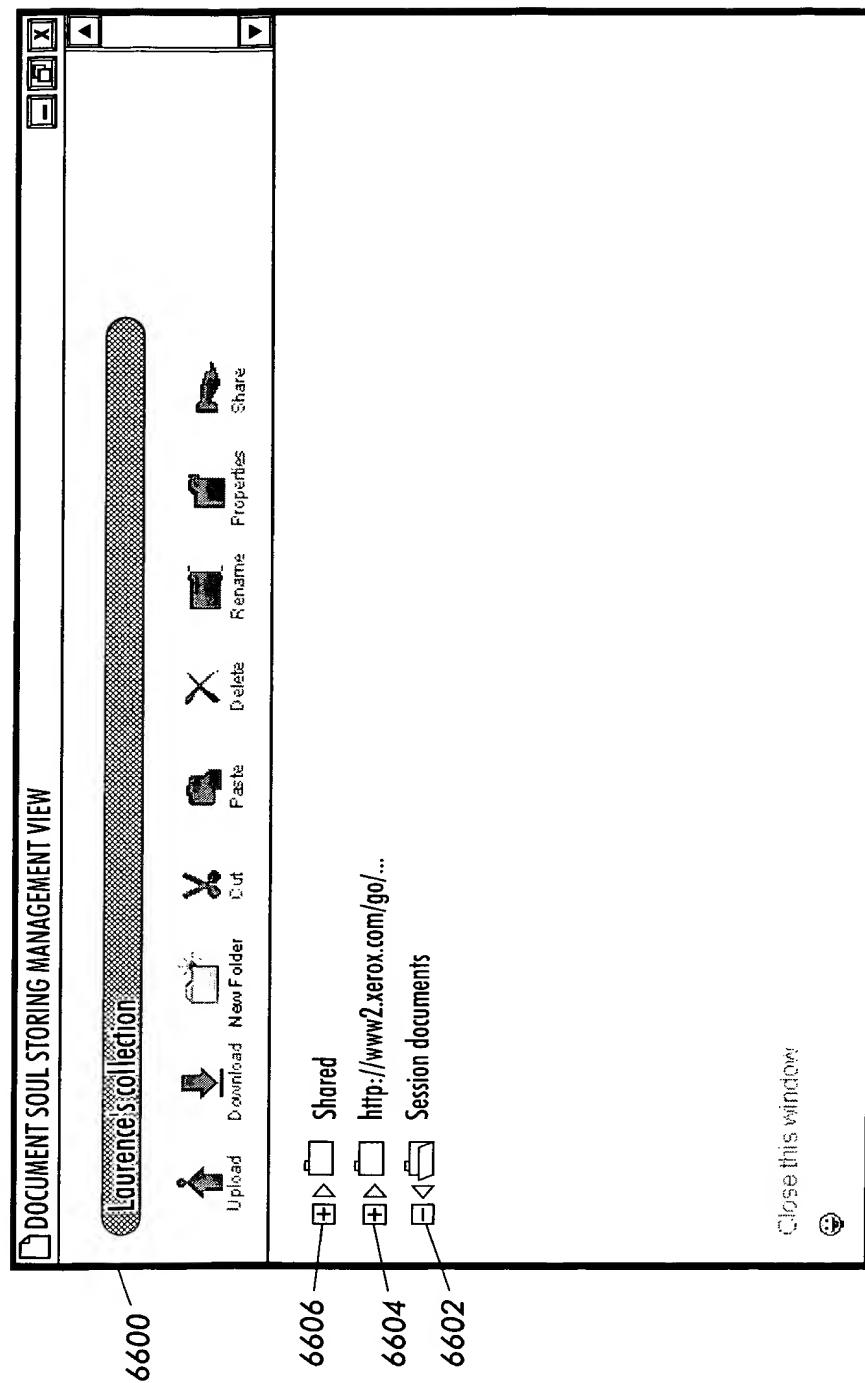


FIG. 66

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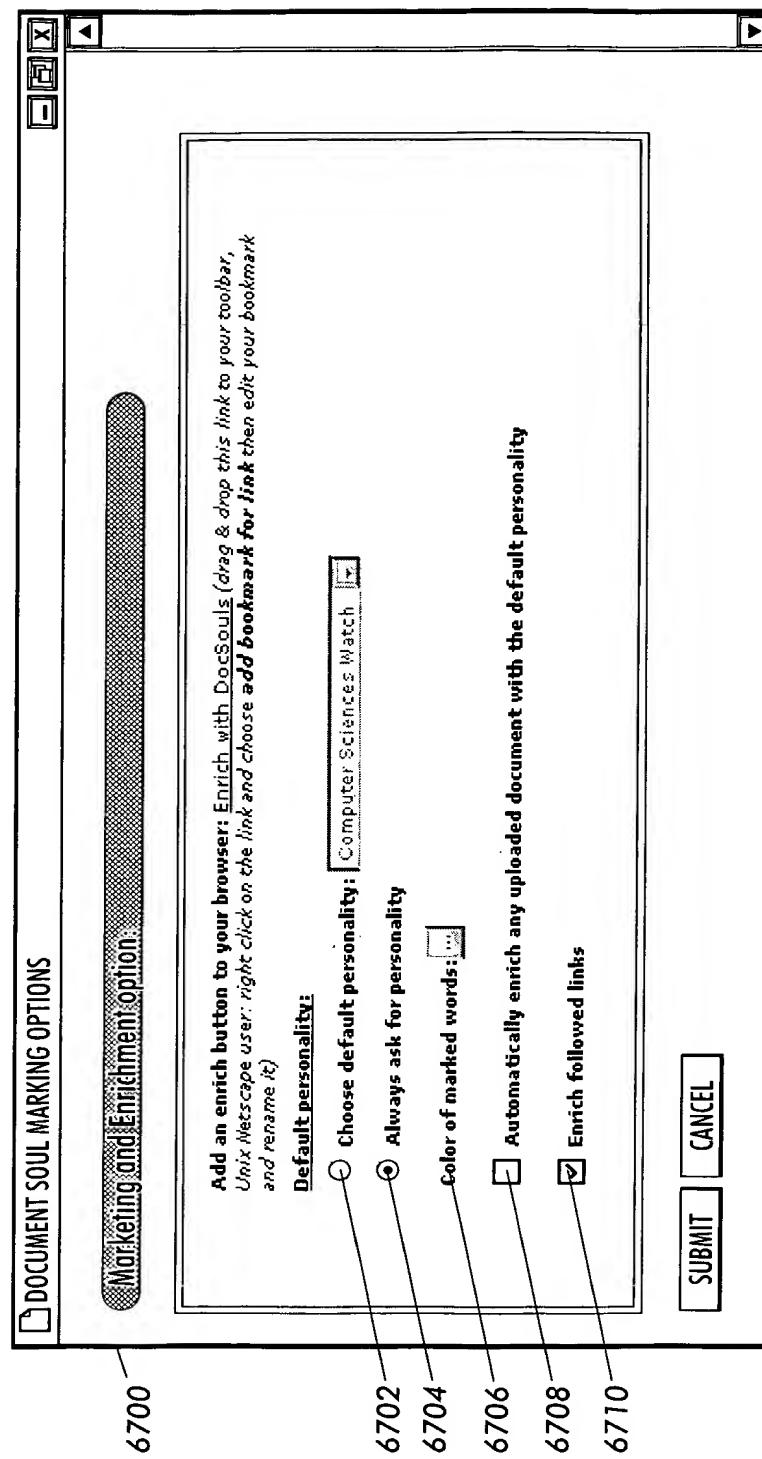


FIG. 67



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DOCUMENT SOUL SERVICES CONFIGURATION

List of available Service Categories:

Abstracts

Name	Type	Status	Priority	Provider	Dirct(s)	Refresh	Query
Abstracts from Compendex	STANDARD	Unknown	LOW	USparent_office	<input type="button" value="+"/>	none	<input type="button" value="LINK"/>
Abstracts from Website Ad	STANDARD	Unknown	LOW	website_abstracts	<input type="button" value="+"/>	none	<input type="button" value="LINK"/>
Industry Standards					<input type="button" value="+"/>		<input type="button" value="LINK"/>
Patents and IPs					<input type="button" value="+"/>		<input type="button" value="LINK"/>
Engineering Handbooks					<input type="button" value="+"/>		<input type="button" value="LINK"/>
Technical News					<input type="button" value="+"/>		<input type="button" value="LINK"/>
Technical Information					<input type="button" value="+"/>		<input type="button" value="LINK"/>

6802

List of all Abstracts from Compendex dictionaries:

6804

Name	Category	Select
electricalEngineering	Science/Technology/	<input checked="" type="checkbox"/>
names	Society/People/	<input checked="" type="checkbox"/>

FIG. 68